

## Index of scientific and english terms

- Abies alba* 249, 251  
*Abra alba* 360, 371, 375-376  
*Acanthamoeba* 95-96  
 Acanthocephala 114, 209, 215  
*Acanthocephalus anguillae* 114  
*Acanthocephalus lucii* 114  
*Acanthoebitona communis* 185  
*Acanthoebitona crinita* 185  
 Acari 120, 123, 209, 214  
*Acartia clausi* 356-357  
*Accipiter nisus* 274-343  
 acellular slime moulds 53  
*Acer* 338  
*Acer pseudoplatanus* 253  
*Achaearana simulans* 279  
*Acheta domesticus* 133  
 acidification 32-33, 115, 128-129, 131, 133, 147-148, 152, 154-156, 185, 200, 202, 266, 299-300, 316, 319-321  
*Acipenser sturio* 201, 302, 363  
 acorn worms 195  
 Acrasiomycota, acrasids 53, 90  
 Acridoidea 133  
*Acrocephalus arundinaceus* 296  
*Acrocephalus schoenobaenus* 296  
 Acrothoracica 170  
 Actinopoda, actinopod protozoans 98  
 Actinopterygii 200  
*Actinosphaerium portuum* 98  
 Aculeata 157, 160  
*Adalia decempunctata* 10  
 adder 204, 299  
 Adelgidae 140  
 Adelgoidea 140, 210  
*Aegopodium podagrariae* 239  
*Aegopodium podagraria* 281  
*Aesculus hippocastanum* 279  
*Aeshna affinis* 306  
*Aeshna subarctica* 334  
 Agaricales 86  
 Aggregatidae 101  
 Agnatha 198, 211  
 Agromyzidae 152  
*Agrostis* 228, 335  
*Aix galericulata* 206, 276, 297  
*Aix sponsa* 275  
*Alanda arvensis* 296, 342  
*Alca torda* 363  
*Alcedo atthis* 325, 341  
*Alchemilla* 79  
 Alcon blue 303-304  
*Alcyonidium* 359  
 alder 263-264, 312  
 alder flies 143  
 Alexandrine parakeet 275  
*Alexandrium* 368  
 Aleyrodidea 139, 210  
 algae 49, 52, 54-57, 59, 63-64, 68, 83, 85, 89, 95, 99, 105, 109, 112, 123, 126, 166, 223, 230, 292, 300, 356, 358, 361, 368, 376  
 alien(s) (see also exotic, introduction, invasion) 57, 66, 73-74, 79, 91, 130, 174, 177, 188, 192, 206, 265, 269, 276, 279-280, 282, 284-286, 296, 336, 344, 368, 371, 374, 376, 388  
 allis shad 302, 363  
*Allium ursinum* 263  
 Allomyces 81  
*Alnion incanae* 255  
*Alno-Pandion* 255  
*Alnus glutinosa* 255, 316, 338  
*Alnus incanae* 255  
*Alona rustica* 164  
*Alopecurus pratensis* 240, 335  
*Alopochen aegyptiacus* 206, 276, 286, 297, 343  
*Alosa alosa* 201, 302, 363  
*Alosa fallax* 201, 302  
 Alpine newt 202, 299  
 Alveolata, alveolates 57-58, 90-91  
*Alyso alysoidis* 235  
*Alyso-Sedion albi* 235, 335  
*Alytes obstetricans* 202, 277, 299  
 Amblypigi 120  
*Amblyraja radiata* 363  
*Ameiurus nebulosus* 301  
 Ametabola 125  
 ammonoids 190  
*Ammophila arenaria* 225, 318  
*Amoeba hostilis* 96  
*Amoeba ostendensis* 96  
*Amoeba placida* 96  
 Amoebidae, amoeboid protozoans 95-96  
 Amphibia, amphibians 40, 99, 103, 107, 182, 202-204, 211, 249, 270, 277-278, 293, 299-301, 341-343, 387-388  
*Amphibolus weglarskae* 192  
*Amphigerontia contaminata* 134  
*Amphioxus* 197  
 Amphipoda, amphipods 175-176, 211, 213-214, 359, 371  
 amphisbaenians 203  
*Anacridium aegyptium* 133  
 anamorphic fungi 89  
*Anas acuta* 297  
*Anas clypeata* 297  
*Anas crecca* 297  
*Anas penelope* 298  
*Anas platyrhynchos* 297  
*Anas querquedula* 296  
*Anas strepera* 297  
 Anaspidacea 171  
 Anatidae 297  
*Anax parthenope* 306  
 Andrenidae, andrenid bees 158  
*Androsacetalia alpinae* 246  
*Androsacetalia vandellii* 248  
*Anemone nemorosa* 251, 255, 281  
*Anemone ranunculoides* 255  
 anemones 124  
*Angelica sylvestris* 255  
 angelshark 199  
 Angiospermae, angiosperms 50, 59, 78-80, 90  
*Anguis fragilis* 299  
*Anisandrus dispar* 279  
 Annelida, annelids 103, 111, 143, 179-181  
 Anobiidae 146-147  
*Anodonta* 188  
 Anoplura 135, 210  
 anostracan 165  
*Anurbus archeri* 284  
*Anser albifrons* 297  
*Anser anser* 297  
*Anser brachyrhynchus* 297  
*Anser erythropus* 296  
*Anser fabalis* 297  
 ant lions 143  
 Anthoceroophyta 72, 90  
 Anthophyta 78-79  
 Anthozoa 104, 354  
*Anthus campestris* 296  
*Anthus trivialis* 274, 296, 342  
*Antrobathynella stammeri* 171  
 ants 41, 122, 143, 157-158, 214, 279  
 Aphidoidea, aphids 140-141, 143, 210, 280  
*Aphradite aculeata* 371  
 Aphylophorales 86  
 Apicomplexa, apicomplexans 101  
*Apium repens* 308  
 Apoidea 158  
 apostome ciliates 99  
 Appendicularia 196, 356  
 Apterygota, apterygotes 125  
*Apus apus* 265, 273  
 aquatic oligochaetes 181  
 Arachnida, arachnids 120-123, 212  
 Araneae 120, 122, 209, 212-213  
*Arcella* 96

- Archaea, Archaeobacteria,  
  archebacteria 50, 90
- Archemycota 81
- Archannelida, archannelids  
  179-180, 211
- Architeuthidae 184
- Ardea cinerea* 205, 273-274, 343
- Ardeidae 297
- Argiope bruenneci* 41, 307
- Argulus coregoni* 168
- Argulus foliaceus* 168
- Argulus japonicus* 168
- Argyroneta aquatica* 307
- Argyrotaenia cistellula* 194
- Aricia agestis* 303
- Arion lusitanicus* 185
- Aristolochia clematidis* 280
- Arran brown 303
- Arrhenatherion* 240
- Arrhenatherion elatioris* 314
- arrow worms 194, 356
- arthropods 10, 82, 84, 114, 120,  
  125, 160, 161, 163
- Artiodactyla 207, 295
- Arvicola sapidus* 207
- Asciidiacea 196-197
- Ascomycota, ascomycetes 49,  
  82-86, 89-90
- ash 263-264, 312, 338
- Asperulo-Fagetum* 251, 338
- Aspidobothrea 106
- Aspius aspius* 201
- Asplenietalia billotii* 248
- Asplenietalia glandulosi* 247
- Asplenietalia lanceolata-obovati* 248
- Asplenium* 77
- Asplenium ruta-muraria* 281
- Astacus astacus* 177
- Astacus leptodactylus* 178
- Asterias rubens* 354, 372
- Asteroidea 196
- Asymmetron* 197
- Atyaephyra desmaresti* 177
- Atypus affinis* 279, 307
- Auchenorrhyncha 137-138, 210
- auks 363
- auroch 331
- Aves 205, 211
- Aythya ferina* 297
- Aythya fuligula* 297
- Aythya marila* 298
- Azolla filiculoides* 77, 231
- Bacillariophyceae 61, 90, 356
- bacteria 11, 50-53, 89, 94, 99-100,  
  109-110, 112, 123, 126, 135,  
  292, 358, 387
- badger 208, 271, 295
- Balanomorpha 170
- Balanus amphitrite* 170, 376-377
- Balanus crenatus* 361
- Balanus reticulatus* 169
- Balanus trigonus* 169
- baleen whales 176
- Barbastella barbastellus*, barbastelle  
  bat 271
- barbel, *Barbus barbus* 302, 325
- bark beetles 149
- barklice 134
- barn swallow 274
- barnacle goose 276, 296-297
- barnacles 169-170, 187, 361,  
  375-377
- Barnea candida* 361, 377
- Basidiomycota, Basidiomycetes 83,  
  85-90
- Bathynellacea, bathynellaceans  
  171, 210
- Bathynomus giganteus* 174
- Bathyporeia* 360
- Batillipes littoralis* 192
- bats 249, 263, 265, 271, 279, 287,  
  293-295, 339, 341-342, 347
- Bdelloidea 115
- bean goose 297-298
- beaver 271
- bee-eater (European) 41
- beech 24, 42, 168, 249-251, 262-  
  263, 274, 279, 283, 331, 337-338
- beech bark beetles 279-280
- beech marten 208, 272
- bees 41, 157-158, 214, 344
- beetles 84, 114, 145, 212
- belemnoids 190
- Berberidion* 234
- Berberis vulgaris* 252
- Beroe cucumis* 105
- Beroe gracilis* 105
- Berteroa incana* 280
- Betula pendula* 254, 318
- Betula pubescens* 254
- Betulo-Adenostyletea* 239
- bib 354
- Bibionidae 152
- Bidens* 232
- Bidention* 232
- Bidulphia* 356
- big-headed flies 154
- bio-indicators (see also indicators)  
  74, 102, 269, 283, 306, 358, 387
- biological control 145, 157, 280
- Biphylidae 146
- birch 26, 42, 338
- birds 14, 27, 40-41, 122-123,  
  135-136, 144, 153, 178-179, 205,  
  217, 263, 266, 269-270, 272-276,  
  286, 296, 315-316, 322, 334,  
  339, 341-344, 351, 362-364, 367,  
  370, 372, 378, 387-388
- birds of prey 206, 273-274
- Bison bonasus*, bison (European) 331
- biting lice 135, 214
- Bittacus hageni* 144
- Bittacus italicus* 144
- bitterling 302
- Bivalvia, bivalve molluscs,  
  bivalves 27, 59, 184, 187-188,  
  211, 358-361, 371, 376
- black cherry 308
- black goby 363
- black grouse 296, 334
- black redstart 273
- black stork 339, 343
- black swan 275
- black swift 273
- black tern 206, 296
- black woodpecker 339
- black-headed gull 343
- Blattodea 131, 209
- blue algae 222
- blue crab 178
- blue-green algae 49, 51-52, 387
- blue-winged grasshopper 279
- bluebell 280
- Bodo* 97
- Boettgerilla pallens* 185
- Boletales 86
- Boletus edulis* 284
- Bolidophyceae, bolidophyceans  
  66, 90
- Bolinopsis infundibulum* 105
- Bombina variegata* 202-203, 299
- bony fishes 200
- booklice 134
- Bos taurus* 331
- Bostrichidae, bostrichids 146-147
- bot flies 154
- Botaurus stellaris* 296
- Botrychium lunaria* 77
- Botrychium simplex* 77
- bottlenose dolphin 208, 295, 365
- Brachionus variabilis* 116
- Brachiopoda, brachiopods  
  193-194, 211, 214
- Brachypodio-Centaureion nemoralis*  
  240
- Brachypodium pinnatum* 251
- bramble 79
- Branchiostoma lanceolatum* 197
- Branchiura, branchiurans 168,  
  210
- Branta canadensis* 206, 276, 286, 296,  
  343
- Branta leucopsis* 276, 297
- breeding birds 205-206, 273,  
  274-276, 293, 296, 298, 342-343
- brill 362
- bristle worms 179, 214
- brittle stars 196
- Brometalia erecti* 314
- Bromus bromoides* 79
- Bromus tectorum* 280
- brook lamprey 198-199, 302, 340
- broom 332

- brown algae 59, 65-66, 361  
 brown bear 271, 331  
 brown bullhead 301  
 brown mosses 243, 245  
 brown rat 272  
 brown shrimp 367  
 Bruchidae 146  
 Bryidae 73  
 Bryophyta, bryophytes 71, 73-74,  
   89-90, 115, 245-246, 283, 340  
 Bryozoa, bryozoans 103, 119,  
   192-193, 212, 359, 362, 371  
*Bryum pseudotriquetrum* 245  
*Bubo bubo* 343  
*Buccinum undatum* 371, 373  
*Buddleia davidii* 265, 283  
 budgerigar 206  
*Bufo bufo* 202, 299  
*Bufo calamita* 299-300  
*Bugula simplex* 192  
 bullfrog (American, North  
   American) 203, 300, 343  
 bullhead 302, 340-341  
 bulrush 318  
 bunting 342  
 Buprestidae 146  
 butterflyfish 363  
 butterflies 40, 156, 212, 283, 293,  
   302-304, 306, 312-314, 332, 339,  
   341-343, 387  
 butterfly bush 283  
*Buxus sempervirens* 234, 252, 335  
*Bythotrephes longimanus* 164  
 caddisflies 155, 340  
 caecilians 202  
*Calanus belgolandicus* 356  
*Callinectes sapidus* 178  
*Callitriche-Batrachion* 232  
*Calluna* 227, 335  
*Calluna vulgaris* 264, 281  
*Calluno-Genistion* 225  
*Calluno-Ulicetea* 225, 319  
*Calluno-Vaccinietum* 312  
*Calopteryx splendens* 306  
*Calosoma* 305  
*Caltha palustris* 281  
*Calthion* 314  
*Cameraria obridella* 157, 279  
*Campyllum stellatum* 245  
*Campylopus introflexus* 74  
 Canada goldenrod 283  
 Canada/Canadian goose 206, 276,  
   296, 298-299, 343  
 canary 206  
*Canis familiaris* 179  
*Canis lupus* 207, 271  
 Cantharellales 86  
 capercaillie 331  
*Caprella mutica* 176  
*Capreolus capreolus* 272, 295  
*Caprimulgus europaeus* 296  
 Carabidae, carabid beetles 145,  
   147, 278, 293, 304-305, 339,  
   342, 387  
*Carabus auronitens* var. *putzeysi* 278  
*Carabus intricatus* 305  
*Carassius carassius* 302  
*Carcesium polypinum* 100  
*Cardamine* 255  
*Cardamine pratensis* 315  
*Caretta caretta* 204  
*Carex* 254-255  
*Carex alba* 251  
*Carex arenaria* 228  
*Carex davalliana* 244  
*Carex digitata* 251  
*Carex disticha* 281  
*Carex flacca* 251  
*Carex hostiana* 245  
*Carex lepidocarpa* 245  
*Carex montana* 251  
*Carex strigosa* 280  
*Carici-Fagetum* 331  
*Caricion curto-nigrae* 312  
*Caricion davallianae* 244-245, 312  
 Caridea 177  
*Carlina vulgaris* 226  
 Carnivora, carnivores 129, 207,  
   295  
*Carpinion betuli* 252  
*Carpinus betulus* 252  
 cartilaginous fishes 199  
 castor, *Castor fiber* 207, 271  
 cats 274, 295  
 Caudofoveata 184, 211  
*Centaurium pulchellum* 281  
 centipedes 161, 214  
*Centropages hamatus* 356  
*Centropyx aculeata* 97  
*Cephalanthera* 252  
*Cephalanthero-Fagion* 251  
 Cephalochordata 196-197, 211  
 Cephalopoda, cephalopods 99,  
   101, 107, 110-111, 184, 190,  
   211, 362  
 Cerambycidae 145, 147  
 Ceraphronoidea 157  
*Cerastion semidecandri* 236  
*Cerastoderma* 376  
 Ceratopogonidae 215  
*Cervus elaphus* 295, 331  
 Cestoda 105, 109, 209, 214-215  
 cetaceans 175, 208, 365  
*Ceterach officinalis* 280  
*Chaetoceros* 356  
 Chaetognatha, chaetognaths  
   194-195, 211, 356  
*Chaetosphaeridium* 70  
 Chalcidoidea 157, 160  
 chantarelles 86  
*Chara* 230  
 Charadrii 297  
 Charophyceae, Charophyta,  
   charophyceans, charophytes,  
   charaleans 68-69, 90, 230  
*Chelidonichthys gurnardus* 362  
*Chelonia mydas* 204  
*Chenopodium rubri* 232  
*Chernes babni* 121  
*Chernes vicinus* 122  
 chewing lice 135-136, 214  
 Chilopoda 160-161, 210  
 chimaeras 199-200  
*Chirocephalus diaphanus* 165  
 Chironomidae 152, 215  
 Chiroptera 145, 207-208  
 chitons 184-185  
*Chlidonias niger* 206, 296  
*Chloepbaga picta* 206, 276  
 Chlorarachniophyta, chlorarach-  
   niophytes 54, 90  
 Chlorobio(n)ta 67  
 Chloromonadida 64  
 Chlorophyceae 67  
 Chlorophyta, chlorophytes 49, 67,  
   90, 356  
 Chloropidae 152  
 Choanoflagellata 98  
 Chondrichthyes 199, 211  
 Chondrostei 200  
 Chordata, chordates 196  
*Chorthippus mollis* 305  
*Chorthippus montanus* 305  
 Chromophyta 60  
 Chrysididae 158  
*Chrysochromulina* 56  
 Chrysomelidae, chrysomelids 145,  
   147  
 Chrysomerophyceae 66, 90  
 Chrysophyceae, chrysophyceans  
   60-61, 90, 97  
 Chrysophyta, chrysophytes 59-60,  
   65, 356  
 chub 103  
 Chytridiomycota, chytrids 81, 90  
 cicadas 137-138, 334  
*Cicadetta montana* 24  
 Cicindelidae 145, 147, 305  
*Ciconia ciconia* 206  
*Ciconia nigra* 339, 343  
 Ciconiidae 297  
 Ciliophora, ciliated protozoans,  
   ciliates 99  
*Cinclus cinclus* 340  
 Cirripedia, cirripeds 169, 210  
*Cirsium oleraceum* 255  
*Cladietum marisci* 244  
*Cladina* 310  
*Cladina mariscus* 244, 312  
 Cladocera, cladocerans 163, 172,  
   210, 357  
*Cladonia* 228  
 clams 124, 188, 372

- Clavicipitales 83  
cleared, -ance, -ing 30, 32, 34, 41, 155, 316, 331, 345  
click beetles 148  
climate change 13, 40-41, 202, 366-367, 369, 374-375  
clubmosses 387  
*Clupea harengus* 363  
Cnidaria, cnidarians 104, 209, 362  
*Cobitis taenia* 302  
Coccinellidae 145, 148, 280  
Coccoidea 141, 210, 213-214  
coccolithophorids 56  
*Coccus hesperidum* 141  
cockroaches 84, 131  
cod 45, 362-363, 371  
*Coenagrion hastulatum* 334  
*Coenagrion pulchellum* 306  
*Coenagrion scitulum* 306  
*Coenonympha bero* 304  
*Coenonympha oedippus* 303  
*Coenonympha tullia* 304  
*Coleochaete* 70  
Coleochaetophyceae, coleochaeta-leans 70, 90  
Coleoptera 11, 84, 145-147, 210, 212, 279-280  
Collembola, collembolans 125-127, 209, 213-214  
*Columba livia* 206, 277  
*Columba palumbus* 273  
Columbidae 273  
comb jellies 105  
common brittle-star 354  
common coot 297-299  
common cordgrass 308  
common dormouse 207, 271  
common frog 202, 299-300  
common goby 108, 363  
common lobster 116  
common midwife toad 202, 277, 299-300  
common moorhen 298  
common newt 202, 299  
common pipistrelle 271  
common pochard 297-298, 314  
common reed 318  
common scoter 363-364, 377  
common seal 293, 295, 366  
common shelduck 297  
common skate 199, 363  
common skylark 296  
common snipe 296, 298  
common starfish 354, 372  
common stonechat 296  
common teal 297-298, 314  
common tern 364  
common toad 202, 299  
common tree frog 202-203, 299-300  
common tusk 190  
common waterweed 308  
Concentricycloidea 196  
conchostracan 165  
*Conger conger*, conger eel 363  
conifer aphids 140  
Coniferophyta, conifers 27, 31, 43, 78, 140, 303, 316, 333, 336, 387  
Conjugatophyceae 68  
Conopidae 153  
conservation 18, 46, 121, 132, 138, 146-149, 152-160, 174, 176, 202, 204, 212, 217, 249, 261, 286-287, 303, 310, 313, 316, 322-324, 326, 332, 336-340, 344-347, 364, 377-379, 387-389  
*Convolvulalia sepium* 239  
*Convolvulion sepium* 239  
Copelata 196-197  
Copepoda, copepods 100, 166-167, 172, 210, 356, 358, 373  
coprophagous beetles 149  
*Corbicula fluminalis* 188  
*Corbicula fluminea* 188  
*Corbula gibba* 372  
*Cordulegaster boltonii* 306  
*Coregonus oxyrinchus* 302  
cormorant 297, 343  
corn crake 296, 325, 334, 346  
corn bunting 296  
*Cornicularia* 248  
*Coronella austriaca* 299, 334  
*Corophium curvispinum* 176  
Corvidae 273  
*Corydalis solida* 255  
*Corynephorus* 228, 335  
*Corynephorus canescens* 228  
*Cottus gobio* 302, 340  
coypu 207-208, 294-295  
crabs 177, 212  
*Crangon crangon* 367  
*Crangonyx pseudogracilis* 176  
Craniata, craniates 198  
*Crassostrea gigas* 375-377  
*Cratoneurion commutati* 245  
crayfish 177, 345, 388  
creeping marshwort 308  
*Crepidula fornicata* 186, 375-377  
crested lark 296  
*Crex crex* 296, 325, 334  
*Cricetus cricetus* 294  
crickets 41, 114, 132, 212, 305  
Crinoidea 196  
*Crisilla semistriata* 186  
crocodilians 203  
*Crocothemis erythrae* 306  
*Crossopriza lyoni* 121  
crucian carp 302  
Crustacea, crustaceans 99, 101, 107, 111, 143, 163-178, 191, 212, 345, 356-360, 372  
Cryptomonadida, cryptomonads 55, 58  
Cryptophyta, cryptophytes 55, 90  
Ctenophora, ctenophores 105, 209  
Cubozoa 104  
cuckoo 274  
cuckoo flower 315  
*Cuculus canorus* 274  
Cumacea, cumaceans 173, 211, 359  
*Cupido minimus* 303  
Curculionidae 145  
cuttlefish 190  
Cyanobacteria 50-52, 85, 90  
Cyanophyta, Cyanoprokaryota, cyanophytes 51  
Cycliophora, cycliophorans 116, 209, 214  
cyclopoid 168  
cyclostomes 198  
*Cygnus atratus* 275  
*Cygnus columbianus* 297  
*Cygnus olor* 276  
*Cymbalaria muralis* 281  
*Cymodoceion nodosae* 222  
Cynipoidea 157  
Cyperaceae 88, 152, 245  
*Cytisus scoparius* 332  
dab 362  
*Dactylogyrus* 107  
*Dactylorhiza incarnata* 246  
daddy long-leg spiders 122  
dahlia anemone 354  
*Dama dama* 295  
damsel flies 129, 212, 387  
*Danaus plexippus* 303  
dance flies 153  
Daubenton's bat 271  
death-watch beetles 147  
Decapoda, decapods 111, 177, 211-213, 359, 362  
decline, -ed, -ing (see also regression) 14, 41, 43, 76, 79, 185, 200, 203, 205, 207, 266, 270, 274, 293-297, 299, 302-303, 309-310, 337, 341-346, 363, 370-371, 374, 379-380, 387-388  
*Decticus verrucivorus* 305  
deer flies 154  
*Dekkersia brucei* 83  
*Delichon urbica* 274, 342  
Dendrobranchiata 177  
*Dendrocoelum romanodanubiale* 106  
*Dendrocopos medius* 339  
*Dentalium entalis* 190  
*Dentalium vulgare* 190  
Dentaria 251  
Dermaptera 133, 210, 214  
*Dermobelys coriacea* 204  
*Deroceras caruanae* 185  
*Deschampsia flexuosa* 254  
desiccation (see also drying) 68-69, 96, 120, 155, 242, 299, 314, 319-321

- Deuteromycetes 82, 89  
Deuteromycotina 89  
*Diadumene cincta* 354  
Diaporthales 83  
diatoms 58-62, 97, 100, 195, 222, 356, 359, 372  
Dictyochophyceae 63, 90  
Dictyosteliomycota, dictyostelids 53, 90  
*Dictyostelium* 53  
Dicyemida, dicyemids 110, 209, 213-214  
*Difflugia* 96  
*Difflugia linearis* 27  
digenean 106  
*Dikerogammarus villosus* 176, 345  
Dinoflagellata, dinoflagellates 58, 90, 97  
Dinophyceae 356  
*Dinophysis* 368  
Dinophyta, dinophytes 58  
*Diogenes pugilator* 372  
*Diphasiastrum complanatum* 76  
*Diphasiastrum issleri* 75  
*Diphasiastrum tristachyum* 76  
*Diphasiastrum zeilleri* 75  
Diplopoda 160, 162, 210  
Diplura, diplurans 125-126, 209  
Diptera 150-152, 210, 213-214, 292, 306  
*Dipturus batis* 363  
disappear, -ance, -ed 12-17, 43, 71, 129, 141, 148-149, 152, 156, 158, 177, 185, 187, 198-203, 206-207, 217, 271-274, 279, 283, 292, 295-296, 299, 303, 312-313, 319, 322, 333, 340, 343, 363, 369, 371, 374, 376, 379, 387-388  
diving beetles 148  
dobson flies 143  
dog whelk 186-187, 373-374  
dogwinkle (Atlantic) 187  
dolichopodid flies 293, 306-307  
*Dolomedes fimbriatus* 307  
*Dorypteryx domestica* 135  
*Dorypteryx longipennis* 135  
Dothideales 83  
Douglas fir 33  
downey mildeys 59  
dragonflies 41, 129, 212, 293, 305-306, 313, 334, 340-341, 343-344, 387  
drainage, ing 30-34, 73, 79, 238, 255-256, 278, 282, 313, 321, 336, 344  
*Dreissena polymorpha* 188, 345  
*Drepanocladus revolvens* 245  
Drilidae 146  
*Drosera intermedia* 244  
*Drosera rotundifolia* 244  
drying (see also desiccation) 128, 133, 136, 148-149, 154, 156, 266, 278  
*Dryocopus martius* 339  
ducks 205-206, 276, 297  
dusky large blue 303  
dwarf crab 178  
Dytiscidae 145, 148  
eagle owl 343  
earth stars 86  
earthworms 33, 181-182  
earwigs 133, 214  
eastern mudminnow 301  
*Echinocardium cordatum* 360  
Echinodermata, echinoderms 111, 196, 211, 213, 359, 362  
*Echinogammarus berilloni* 176  
Echinoidea 196  
Echiura 183, 211, 213-214  
*Echiurus echiurus* 183  
Ectoprocta, ectoprocts 119, 124, 192, 211, 214  
edible frog 202, 299-300  
egrets 297  
Egyptian goose 206, 276, 286, 297, 343  
Egyptian grasshopper 133  
Elaphomycetales 83  
Elasmobranchii, elasmobranchs 199, 363  
Elateridae 145, 148  
*Eleocharis quinqueflora* 246  
elephant tusk hells 189  
elk 331  
*Elminius modestus* 170, 361, 375-377  
*Elodea* 345  
*Elodea canadensis* 308  
*Emberiza* 342  
*Emberiza citrinella* 296  
*Emberiza hortulana* 206, 296  
*Emberiza schoeniclus* 296  
Embryophyt(in)a, embryophytes 50, 71, 90  
*Empetrum nigrum* 319  
Empididae 153  
*Emplectronema neesii* 112  
*Emys orbicularis* 204  
Enchytraeidae 182  
endangered (see also threatened) 14, 16, 52, 79, 83, 270, 292, 294, 302, 304-307, 310, 316, 339, 341-343, 387-388  
endemics 52, 55, 79, 175, 236, 249, 278  
*Endogone* 82  
endoparasitic slime moulds 57  
Endopterygota, endopterygotes 128, 143-145, 150, 155-157  
*Ensis americanus* 188  
*Ensis directus* 188, 375-376  
*Entamoeba histolytica* 95  
Enteropneusta 195  
Entoprocta, entoprocts 119, 209  
*Eosentomon* 126  
ephemerophytes 229  
Ephemeroptera 128-129, 209, 212, 340  
*Ephemmerum stellatum* 283  
*Epipactis leptochila* 252  
*Epipactis microphylla* 252  
*Eptesicus serotinus* 271  
*Equisetum telmateia* 76  
*Equisetum variegatum* 76  
*Erebia ligea* 303  
*Erica tetralix* 233, 335  
*Ericetum tetralicis* 312  
*Erico-Sphagnetalia magellanici* 241  
Erinaceidae 294  
*Erinaceus europaeus* 272, 294  
*Eriocbeir sinensis* 178  
*Eriophorum latifolium* 245  
ermine 295  
Erysiphales 83  
Eubacteria 50, 90  
Euglenida, euglen(o)ids, euglenoid flagellates 54  
Euglenophyceae 97  
Euglenophyta, euglenophytes 54, 90, 356  
*Euglypha* 96  
Eukyphida 177  
*Eulobmannia ribagai* 124  
Eumenidae, eumenid wasps 158  
Eumetabola 125  
Eumycota 81, 90  
*Eupagurus bernhardus* 372  
Euphausiacea, euphausiids 176, 211  
*Euphydryas aurinia* 303  
*Euphydryas maturna* 303  
*Eurycerus glacialis* 164  
*Eurydice pulchra* 360  
Eustigmatophyceae 64, 90  
*Euterpina acutifrons* 357  
Eutracheophyta 75  
eutrophic, -ation 52, 79, 130-131, 155, 185, 200, 205, 231, 262, 266-267, 282, 299-300, 303-304, 310-314, 316, 319-321, 336, 340-341, 344, 356, 368, 370, 372, 388  
Euzygida 177  
*Evadne nordmanni* 357  
Exopterygota, exopterygotes 128-142  
exotic (see also alien(s), introduction, invasion) 43, 103, 189, 260, 264, 270, 272-276, 278-279, 282-286, 293, 295, 300-301, 307-308, 310, 319, 336, 339, 345, 374-377, 388  
extinct, -ion 12-17, 52, 77, 85, 160, 186, 198-201, 206-208, 270, 284,

- 292-293, 296, 299, 301-310,  
312-316, 321, 342-344, 365, 370,  
387
- Fago-Quercetum* 331
- Fagus sylvatica* 168, 249, 251
- Falco peregrinus*, falcon 205, 274, 343
- Falco tinnunculus* 274
- Fallopia japonica* 282, 286, 345
- Fallopia sachalinensis* 282, 286
- fallow deer 295
- false scorpions 121
- false angel wing 188
- false ringlet 303
- Fasciola hepatica* 107
- feather stars 196
- Felis catus* 295
- Felis silvestris* 207
- fen orchid 308
- feral pigeon 206, 277
- ferns 77, 88, 96, 99, 246, 387
- ferret 295
- Festuco-Brometalia* 237
- fever flies 152
- Filipendula ulmaria* 255, 312-313
- Filipendulion* 239
- filopodian cellular slime moulds 53
- filose amoebae 54
- fir 250
- fire salamander 299
- firebrats 127
- fireflies 148
- fish flies 143
- fish lice 168
- fish(es) 14, 45, 99, 103, 107, 166,  
168, 176, 188, 195, 198-201,  
269-270, 293, 301-302, 317,  
321-322, 325, 340-343, 351, 359,  
362-363, 367-368, 370, 372, 378,  
387-388
- fishing, fishery 44-45, 104, 200,  
353, 355, 363-368, 370-371,  
378-379, 388
- Fissidens adiantoides* 245
- flagellated protozoa 97
- flat fish 45
- flat oyster (European) 371, 376
- fleas 144
- flies 150, 292
- floating water-plantain 308
- flounder 362
- flukes 106, 214-215
- Flustra foliacea* 359
- Foraminifera, foraminifer(id)s  
100-101
- forest reserve(s) 324, 339-340,  
344-345
- Formicidae 158, 160
- fossil(s) 12-13, 42, 98, 100-101,  
118, 129, 134, 142, 160, 163,  
165, 174, 179, 184, 190-193,  
196, 198
- fox 179, 272, 295, 343
- fragmentation, -ary, -ed 42, 79,  
147, 151, 153, 185, 202-203,  
206, 266, 268, 272, 278, 282,  
285, 299, 313, 315-322, 331,  
342-343, 369-370, 388
- Frangula alnus* 254
- Fratercula arctica* 179
- Fraxinus angustifolia* 256
- Fraxinus excelsior* 253, 255-256,  
316, 338
- free-living flatworms 105-107, 214
- frit flies 152
- frogs 202-203, 388
- fruit flies 154
- Fucophyceae 65
- Fulica atra* 276, 297
- fungi, -al 11, 14, 49, 52-53, 59,  
81-86, 89, 110, 126-127, 163,  
284, 292, 310, 320, 387
- Fungi Imperfecti 89
- furniture beetles 147
- Gadus morhua* 362-363
- gadwall 297-298, 314
- Gagea spathacea* 280
- Galeopsetalia ladani* 246
- Galerida cristata* 296
- Galium odoratum* 251
- Gallinago gallinago* 296
- Gallinula chloropus* 298
- Gammarus tigrinus* 176
- Gampsocleis glabra* 305
- garganey 296, 298
- Gasteromycetes 86
- Gasterophilidae 153
- Gastropoda, gastropods 184-188,  
211, 214, 372
- Gastrosaccus spinifer* 174, 359
- Gastrotricha, gastrotrichs 118, 209
- Gavia stellata* 364
- Gaviidae 297
- geese 276, 285, 297-298, 388
- Genista* 227, 335
- Geranium sanguinei* 234
- giant hogweed 282
- Glaucopuccinellietalia maritima* 224
- Glaucochyta, Glaucozystophyta  
54, 90
- Glaux maritima* 223
- Glechometalia hederaceae* 239
- Glomeromycota, glomeromycetes  
82, 90-91
- Glossobalanus marginatus* 195
- Glossobalanus sarniensis* 195
- glow-worms 148
- Glycera lapidum* 360
- Gnathostomulida, gnathostomu-  
lids 109-110, 209, 213-214
- Gobio gobio* 321
- Gobius niger* 363
- gold wasps 158
- golden oriole 274
- golden plover 298
- golden-brown algae 60
- Gomphocerripus rufus* 305
- Gomphus vulgarissimus* 341
- Gordioidea 114
- Gordionus divergens* 114
- Gordius beinzei* 114
- Gordius longareolatus* 114
- Graeteriella unisetigera* 168
- Granuloreticulosa 100
- grass flies 152
- grass snake 277, 299
- grasshoppers 41, 114, 132, 212,  
293, 305, 334, 342
- grayling 302
- great bittern 296
- great black-backed gull 364
- great cormorant 205, 297-298
- great crested grebe 297-298, 343,  
364
- great reed warbler 296
- great skua 364
- great white pelican 206
- greater flamingo 206
- greater horseshoe bat 207
- greater mouse-eared bat 271
- greater scaup 298
- greater white-fronted goose  
297-298, 314
- greater yellow rattle 325
- grebes 205, 297
- green algae 54, 58, 67-68, 71
- green frogs 278, 299-300
- green turtle 204
- greenhouse camel-cricket 133
- grey gurnard 362
- grey heron 205, 273-274, 343
- grey partridge 296
- grey seal 208, 365-366
- grey willow 318
- greylag goose 297-298
- ground beetles 147, 212, 304-306,  
339, 387
- Grylloidea 133
- Gryllomorpha dalmatina* 133
- gudgeon 321
- guillemots 179, 363
- gulls 205, 297
- Gwynia capsula* 194
- Gymnamoebia 96
- gymnosperms 78
- Gyrinidae 146
- Gyrodactylus*, gyrodactylids 107-108
- Gyrodactylus branchialis* 108
- Gyrodinium* 368
- habitat destruction, - degradation,  
- loss 51, 71-73, 76-79, 120, 128-  
131, 133, 147-149, 151-158, 177,  
185, 200, 202, 271, 282, 285,  
326, 343-344, 363, 370, 388

- hagfishes 198  
*Halichoerus grypus* 208, 365  
*Haliclona oculata* 359  
*Halicyrtus spinulosus* 118  
*Halidrys siliquosa* 66  
*Halimione portulacoides* 224  
*Haliplanella lineata* 104  
Haliplidae 146  
hamster 294  
haptomonads 56  
Haptophyta, haptophytes 56, 58, 60, 90  
harbour porpoise 113, 208, 365  
harbour seal 208, 365-366  
hare 179, 294  
*Harmonia axyridis* 146, 280, 345  
harpacticoids 166, 358, 373  
*Hartmannella* 95-96  
harvestmen 122  
heather 26, 264  
hedgehog 272, 294  
Helicidae 185  
Heliozoa, heliozoans 98  
helminth 108, 114  
Helotiales 83  
Hemichordata, hemichordates 195, 211, 214  
*Hemigrapsus* 178  
Hemimetabola 128  
*Hemimysis anomala* 172  
Hemiptera 334  
Hepatophyta 71-72, 90  
*Heracleum mantegazzianum* 282  
*Herminium monorchis* 246  
hermit crabs 114, 177, 372  
herring 363, 371  
herring gull 364  
Heterokonta, heterokonts 59-61, 64, 90-91  
Heterokontimycot(in)a 59  
Heterokontophyta 60-61, 63-66, 90  
Heteroptera 136-137, 210  
heterotardigrade 192  
Hexapoda, hexapods 125-128  
*Hieracium* 79  
higher plants 270, 280, 292-293, 307-309, 319  
*Himantalia elongata* 361  
Hippoboscidae 153  
*Hippophae rhamnoides* 226, 319  
Hirudinea 179-181, 211  
*Hirudo medicinalis* 181  
*Hirundo rustica* 274  
Holocephali 199  
*Holocnemus pluchei* 121  
Holometabola 128  
Holostei 200  
Holothuroidea 196  
Homalidae 146  
Homoptera 150  
hoopoe 206  
hoppers 137-138  
hornbeam 252, 263, 338  
hornworts 71-72  
horse bot flies 153  
horse chestnut 279  
horse chestnut leafminer 279  
horse flies 154  
horsehair worms 114  
horsetails 76, 387  
house cricket 133  
house martin 274, 342  
house sparrow 205, 274  
houting 302  
hover flies 154, 339  
*Hyacinthoides non-scripta* 280-281  
Hybotidae 153  
*Hydra*, hydras 104  
*Hydrallmania falcata* 359  
*Hydrocharis morsus-ranae* 231  
*Hydrocharition* 231  
*Hydrocotyle ranunculoides* 308  
hydroids 124, 214, 359, 371  
Hydrozoa 104, 214, 354  
Hygrobiidae 146  
Hygromiidae 185  
*Hyla arborea* 202-203, 299  
Hymenomyces 86  
Hymenoptera 41, 150, 157-158, 160, 210, 213-214, 279, 334  
*Hypania invalida* 180  
Hyperoartia 198, 211  
*Hyperomyzus rubinanti* 141  
Hyperotreti 198, 211  
Hypochitriomycetes 59, 90  
Hypocreales 83  
Hypodermatidae 153  
*Hypoponera punctatissima* 279  
Iberian water frog 203  
ibises 297  
Ichneumonidae, ichneumonids, ichneumon wasps 159  
*Ilex aquifolium* 250  
*Ilici-Fagenion* 250  
*Impatiens* 345  
*Impatiens parviflora* 282  
indicators (see also bio-indicators) 19-80, 130, 155, 284, 304, 321, 327, 342, 364  
Insecta, insects 10-11, 14-15, 24, 41, 84, 101, 125, 128-161, 212, 265-266, 271, 274, 278-279, 292, 331, 334, 340, 388  
Insectivora, insectivores 33, 145, 207, 294-295  
introduction, -ed (see also alien(s), exotic, invasion) 99, 103-106, 115, 127, 131-135, 140-142, 146, 156, 164, 170, 177, 180-186, 192, 197, 200-207, 296, 300-302, 307-308, 342-343, 368, 372, 376-377, 379, 388  
invasion, -ive, invaded, -er (see also alien(s), exotic, introduced) 79, 172, 175, 177, 207, 344, 388  
Invertebrata, invertebrates 12, 16, 27, 101-198, 212, 223, 265, 270, 278-279, 292, 296, 298, 302, 306, 312, 316-317, 320, 336, 340, 361, 363, 368-372, 376, 388  
*Ipbicoides podalirius* 303  
*Ischnocera* 135  
Isoetaceae 75-76  
*Isoetes* 229, 233  
*Isoetes lacustris* 75  
*Isoeto-Nanojuncetia* 229  
Isopoda, isopods 174-175, 211-213  
*Ixobrychus minutus* 296  
jack snipe 298  
jack-knife clam (American) 188, 375  
Japanese knotweed 286, 308  
jaw worms 109-110, 214  
jawless fishes 198  
jellyfish 104  
jumping plant lice 138  
Juncaceae 152  
Juncaginaceae 152  
*Junco-Molinion* 238  
*Juncus* 314  
*Juncus effusus* 315, 319  
*Juncus subnodulosus* 246  
*Juniperus communis* 78, 235, 335  
Kamptozoa 119  
*Kellicottia bostoniensis* 116  
*Keratella americana* 115  
*Keratella tropica* 116  
kingfisher 325, 341  
Kinorhyncha, kinorhynchs 117, 209, 213-214  
Klebsormidiophyceae 70, 90  
*Klebsormidium* 70  
*Koelerion glaucae* 236  
*Laboulbenia hyalopoda* 84  
Laboulbeniales 49, 82, 84, 90  
Labyrinthulomycetes 59, 90  
*Lacerta agilis* 334  
*Lacerta vivipara* 299  
lacewings 143  
ladybird (Asian) 148, 280, 342, 345  
*Lagenorhynchus albirostris* 208, 365  
Lagomorpha, lagomorphs 207, 294  
*Lagopus lagopus* 206  
lake frog 343  
lamellicorn beetles 149  
*Lamiastrum (Lamium) galeobdolon* 251  
*Laminaria* 361  
*Laminaria saccharina* 66  
lamp shells 193, 214  
lampern 198  
*Lampetra fluviatilis* 198, 302

- Lampetra planeri* 198, 302, 340  
 Lampyridae 146, 148  
 lancelets 197  
*Lanice conchilega* 353-354, 360, 371  
*Lanius collurio* 296  
*Lanius excubitor* 296  
 large blue 303  
 large branchiopods 164  
 large copper 303  
 large heath 304  
 Laridae 297  
*Larus argentatus* 364  
*Larus fuscus* 364  
*Larus marinus* 364  
*Larus minutus* 364  
*Larus ridibundus* 343  
 larvaceans 196-197, 356  
*Lasiocbernes pilosus* 122  
*Lasius fuliginosus* 122  
*Lasius niger* 279  
 late goldenrod 283  
 leaf-footed crustaceans 164  
 leaf beetles 147  
 leafminer flies 152  
 leatherback turtle 169  
 leathery turtle 204  
 leeches 179-181  
*Lemma* 231  
*Lepadella deridderae* 116  
 Lepadomorpha 169-170  
*Lepas* 169  
*Lepidochitona cinerea* 185  
 Lepidoptera 156, 159, 210, 212-231, 302, 334  
*Lepisma saccharina* 27  
*Lepomis gibbosus* 301  
*Leptestheria dabalacensis* 165  
*Leptochiton asellus* 184  
*Lepus europaeus* 294  
 lesser black-backed gull 364  
 lesser horseshoe bat 207  
 lesser spotted dogfish 199  
 lesser white-fronted goose 296  
*Lestes barbarus* 306  
*Leucorhinia rubicunda* 334  
 Levant water frog 203  
 lice 135  
 Lichenes, lichens 67, 83, 85, 89, 96, 99, 225, 228, 246, 248, 270, 284, 309-310, 339  
 lichenised ascomycetes 82, 90  
*Ligustrum vulgare* 252  
*Limanda limanda* 362  
*Limnadia lenticularis* 165  
*Limotbraps cerealium* 142  
 limpet 374  
 ling 363  
*Linguatula serrata* 179  
 Linyphiidae 120  
*Liparis loeselii* 308  
*Lipophrys pholis* 363  
*Lithobius forficatus* 161  
*Lithobius microps exarmatus* 161  
*Lithobius tricuspis mononyx* 161  
*Litonotus anser* 100  
 little bittern 296  
 little grebe 297-298  
 little gull 364  
 little tern 364  
*Littorella* 229  
*Littorelletalia uniflorae* 229  
*Littorelletea uniflorae* 229  
 liverworts 71-72  
 lizards 203, 334  
*Lobelia dortmana* 229  
 lobopodian cellular slime moulds 53  
 lobsters 116, 177, 212  
*Locusta migratoria* 305  
*Locusta viridissima* 305  
*Locustella luscinioides* 296  
 locusts 132, 212  
 loggerhead 204  
*Loligo* 362  
 longhorn, longicorn beetles 147  
*Lophocolea heterophylla* 72  
*Lopinga achine* 303  
 Loricifera, loriciferans 119, 209, 214  
*Lota lota* 201  
 louse flies 153  
 Lucanidae 146  
*Lucanus cervus* 279  
*Luebea seemannii* 11  
*Lullula arborea* 296  
*Lumbricus castaneus rubelloides* 182  
*Lurionium natans* 308  
*Lutra lutra* 208, 271, 295, 337, 340  
*Lutreria lutreria* 188  
*Luzulo-Fagetum* 249, 331, 338  
*Lycæna dispar* 303  
*Lycobis flos-cuculi* 281  
 Lycidae 146  
 Lycophyta, lycophytes 75, 90  
 Lycopodiaceae 75-76  
*Lycopodiella inundata* 244  
*Lycopodium clavatum* 280  
 Lycosidae 307  
 Lymexylidae, lymexyloids 146, 148  
*Lymnocryptes minimus* 298  
*Lynx lynx*, lynx 96, 207, 331  
*Lyromonas vulgaris* 96  
 mackerel 363  
 macrofungi, -al 82-86, 270, 283-284, 310, 316  
*Macrosternodesmus palicola* 162  
*Mactra* 376  
*Maculinea alcon* 303  
*Maculinea arion* 303  
*Maculinea nausitobus* 303  
*Maculinea teleius* 303  
 Magellan goose 276  
*Magnocaricion* 312  
*Magnopotamion* 231  
 mallard 297-299  
*Mallomonas* 61  
 Mallophaga 135-136, 210, 214  
 Mammalia, mammals 14, 107, 123, 133, 135-136, 144-145, 153, 178, 207-208, 211, 270-272, 293-296, 343, 362, 365, 367, 369-370, 372, 378, 387, 393  
 mandarin duck 206, 276, 297  
 mantids 132  
*Mantis religiosa* 132  
 mantis shrimps 171, 214  
 Mantodea 132, 210  
 manuring 115, 128-129, 133, 147-148, 152, 154, 156, 202  
 march flies 152  
 Marchantiophyta 71  
*Margaritifera margaritifera* 188, 337, 340  
 marine reserves, protected areas 377-379  
 marsh flies 154  
 marsh fritillary 303-304  
 marsh frog 203, 300  
 Marsileales 77  
*Martes foina* 208, 272, 295  
*Martes martes* 272, 295  
*Matteuccia struthiopteris* 77  
 mayflies 128, 212, 340  
 meadow pipit 342  
 mealybugs 141, 214  
*Meconema meridionale* 133  
 Mecoptera 144, 210  
 Megaloptera 143, 210  
*Meganura monyi* 129  
*Melanitta nigra* 363-364, 377  
*Meles meles* 208, 271, 295  
*Melica uniflora* 251  
*Melico-Fagetum* 331  
*Melitaea cinxia* 303  
*Melopsittacus undulatus* 206  
*Mergus albellus* 297  
*Merlangius merlangus* 362  
*Merops apiaster* 41  
*Mesobromion* 226  
*Mesopodopsis slabberi* 359  
 Mesozoa, mesozoans 110  
*Microbisium brevifemuratum* 121  
 microfungi 49, 88, 91  
 Microsporidae 146  
 middle-spotted woodpecker 339  
 midges 152  
 mildew 82  
*Miliaria calandra* 296, 342  
 millipedes 84, 162, 214  
 mink (American) 207, 295, 343  
*Misgurnus fossilis* 302  
 mites 84, 123, 143, 214  
 mitten crab (Chinese) 178



- Moina micrura* 164  
*Moina weismanni* 164  
mole 33, 122, 294-295  
Molgulidae 197  
*Molinia* 238, 335  
*Molinia caerulea* 254, 281, 311-312  
*Molinion caeruleae* 238  
Mollusca, molluscs 59, 106, 111, 143, 183-191, 212-213, 340, 345, 362  
*Molva molva* 363  
monarch 303  
monitoring, -ed 91, 104, 156, 212, 275, 285-286, 296-297, 301, 320-327, 340-346, 355-359, 364, 370-380, 387-388  
monk parakeet 206, 275, 297  
Monoblepharidales 81  
Monogenea, monogeneans, monogenetic flukes 105, 107-108, 209, 214-215  
Monogononta 115  
*Monosiga* 97  
moor frog 299-300  
morels 82  
mosquitoes 150, 292  
moss animals 192, 214  
mosses 31, 71, 73, 96, 99, 225, 232, 248, 270, 283, 293, 309  
moths 156, 212, 279  
mouflon 207  
mountain cicada 24  
muddragons 117, 214  
*Muscardinus avellanarius* 207, 271  
mushrooms 81, 86-87, 123, 268, 284, 316  
muskrat 207-208, 272, 294-295, 343  
mussels 187, 361, 376, 388  
*Mustela erminea* 272, 295  
*Mustela nivalis* 272, 295  
*Mustela putorius* 272, 295  
*Mustela putorius furo* 295  
*Mustela vison* 207, 295, 343  
mustelids 272  
*Mustelus asterias* 199  
mute swan 276  
Mycetozoa 53  
*Myiopsitta monachus* 206, 275, 297  
Mymarommatoidea 157  
*Myocastor coypus* 207, 294  
*Myotis dasycneme* 271  
*Myotis daubentonii* 271  
*Myotis emarginatus* 271  
*Myotis myotis* 271  
*Myotis nattereri* 271  
Myriapoda, myriapods 160-163, 213-214  
*Myrmeca rubra* 279  
*Mysella bidentata* 360  
Mysidacea, mysids 172, 174, 211, 359  
*Mytilus edulis* 361  
*Myxidium rhodei* 103  
*Myxobolus cyprini* 103  
Myxomycota, Myxogastria, Myxomycetes 53, 90  
Myxozoa, myxozoans 103, 209, 213-215  
*Naegleria* 97  
Naididae 181  
*Nanalaricus kbaitatus* 119  
*Nanalaricus mysticus* 119  
narcissus 280  
*Narcissus pseudonarcissus* 280  
*Nardetalia* 238  
*Nardio-Galion saxatilis* 238  
*Nardion* 238  
*Nardus* 238, 312, 335  
narrow-clawed crayfish 178  
*Nassarius reticulatus* 372  
*Natrix natrix* 277, 299  
Natterer's bat 271  
natterjack 299-300  
Natura 2000 132, 217-221, 271, 322, 334-335, 338, 346-347, 378, 387  
naturalisation, -ed 79, 282, 307  
nature reserve(s) 24, 26-27, 116, 121, 132, 260, 308, 310, 319, 323-324, 345-346  
nautiloids, *Nautilus*, nautilus 190  
*Nebalia bipes* 171  
Nebaliacea, nebaliceans 170, 210  
*Nebela* 96  
Nectonematoidea 114  
Nematoda, nematodes 112-114, 126, 209, 213-214, 358, 360  
Nematomorpha, 114, 209, 214  
Nemertea, nemerteans 111, 209, 214  
Nemouridae 130  
*Neobisium sylvaticum* 121  
*Neoechinorhynchus rutili* 114  
*Neomysis integer* 172  
Neopterygii 200  
*Neottia nidus-avis* 252, 280  
*Nepbrocerus lapponicus* 151  
*Nephtys cirrosa* 360  
Nerillidae 180  
net slime moulds 59  
netted dog whelk 372  
Neuroptera 143, 210  
night heron 325  
nightjar (European) 296  
*Nitella* 230  
*Noctiluca miliaris* 357  
non-motile parasitic protozoans 101  
nordic marsh dragonfly 334  
northern crested newt 299-300  
northern damselfly 334  
northern emerald 334  
northern lapwing 298  
northern pintail 297-298  
northern shoveler 297-298, 314  
northern shrike 296  
northern wheatear 296  
Norway spruce 43, 332  
Norwegian lobster 116  
notch-eared bat 271  
Noteridae 146  
notostracan 165  
*Nucella lapillus* 186-187, 373  
Nuda 105  
*Nummulites* 100  
*Nyctalus noctula* 271  
*Nyctereutes procyonoides* 207, 295  
*Nycticorax nycticorax* 325  
*Nyctiphanes couchi* 177  
oak 42, 250, 252, 254, 262-263, 279, 283, 331, 338  
Ochrophyta 60  
octopods, octopuses 190  
*Octopus* 362  
*Octopus vulgaris* 110  
Odonata 129-130, 209, 212-213  
*Odostomia plicata* 186  
*Oedipoda caerulescens* 279, 305  
*Oenanthe oenanthe* 296  
*Oerstedtia dorsalis* 112  
Oestridae 154  
*Oikopleura dioica* 357  
Oligochaeta 115, 179, 181-182, 211  
*Olpidium* 81  
Omalogyridae 184  
*Omocestus viridulus* 305  
*Ondatra zibethicus* 207, 272, 294, 343  
*Onychogomphus forcipatus* 341  
Oomycetes 59, 90  
Opalinopsidae 99  
*Opbelia limacina* 360  
*Opbiothrix fragilis* 354  
Ophiuroidea 196  
*Opbrys apifera* 280  
Opiliones, opilionids 120, 122, 209  
opossum shrimps 172  
orange-striped anemone 354  
*Orchestia cavimana* 176  
orchids 79, 237, 252, 341-343  
*Orconectes limosus* 177  
*Oreopteris limbosperma* 280  
oribatid 124  
*Oriolus oriolus* 274  
*Orthetrum brunneum* 306  
Orthonectida, orthonectids 110-111, 209, 213-214  
Orthoptera 41, 132-133, 210-213, 305, 334  
ortolan bunting 206, 296  
*Oryctolagus cuniculus* 294  
*Osmerus eperlanus* 302, 363  
Osteichthyes 200, 211  
Ostracoda, ostracods 165, 210

- Ostrea edulis* 353, 362, 371, 376  
 Ostropales 83  
 otter (European) 208, 271, 295, 337, 340  
*Oulimnius rivularis* 146  
 overfishing, -ed 363, 367, 371  
 oviparous aphids 140  
*Ovis aries* 207  
 owls 347  
*Oxygastra curtisii* 341  
 oysters 45, 353  
*Pacifastacus leniusculus* 178  
 Pacific oyster 375-376  
 paddlefishes 200  
 palmate newt 299  
 Palpigradi 120  
*Panorpa communis* 144  
*Panorpa vulgaris* 144  
 Pantopoda 124  
*Parablennius gattorugine* 363  
*Paracalanus parvus* 356  
 parakeets 275, 285  
*Pariambus typicus* 360  
*Parnassia palustris* 246  
 parrots 275, 286  
 parsley frog 202  
*Parus* 321  
*Passer domesticus* 3, 205, 274  
*Passer montanus* 296, 342  
 passerines 272-273, 275  
*Patella vulgata* 374  
 Pauropoda, pauropods 160, 163, 210, 214  
*Pavo cristatus* 275  
 peacock 275  
 peanut worms 182, 214  
 pearl mussel 337, 340, 346  
 Pelagophyceae 63, 90  
*Pelecanus onocrotalus* 206  
*Pelobates fuscus* 299  
*Pelodytes punctatus* 202  
*Peltogaster paguri* 170  
 penguins 362  
 Pentastomida, pentastomids 178, 211, 213-214  
*Perdix perdix* 296  
 peregrine falcon 205, 274, 343  
 pest (species) 101, 112, 131, 134, 140-142, 145-148, 157  
*Petricola pholadiformis* 188-189, 361, 377  
*Petromyzon marinus* 199, 302  
*Peyritschiella heinemanniana* 84  
 Pezizales 83  
*Phaeocystis globosa* 56, 356, 368, 372  
 Phaeophyceae 65, 90  
 Phaeophyta 66, 361  
 Phaeothamniophyceae 66, 90  
 Phalacrocoracidae 297  
*Phalacrocorax carbo* 205, 297, 343  
 Phalangiidae 122  
*Phasianus colchicus* 206, 276  
*Phaulomyces simplocariae* 84  
 pheasant 276  
*Philodromus praedatus* 279  
 Phloiophilidae 146  
*Phoca groenlandica* 208  
*Phoca vitulina* 208, 293, 365  
*Phocoena phocoena* 208, 295, 365  
*Phoenicopterus roseus* 206  
*Phoenicurus ocrurus* 273  
*Phoenicurus phoenicurus* 274  
*Pholis gunnellus* 363  
 Phoronida, phoronids 194, 211  
*Phoronis hippocrepia* 194  
*Phragmites australis* 281, 318  
*Phragmiton* 244, 312  
 Phylactolaemata 192  
 Phyllophora, phyllophora 164-165, 210  
*Phylloscopus sibilatrix* 274  
 Phylloxeridae, phylloxera 140  
*Phyteuma spicatum* 280  
*Phytophthora* 59  
*Pica pica* 273  
*Picea* 76  
*Picea abies* 43, 78, 249, 251, 254  
*Picea orientalis* 140  
 piddock (American) 188-189, 377  
 piked dogfish 199  
 pill millipedes 162  
*Pimephales promelas* 201  
 pine 26, 30, 33, 332-333, 338  
 pine marten 272, 295  
 Pinguiphyceae 66, 90  
 pink-footed goose 297-298, 314  
 pinniped 208  
 Pinophyta 78, 90  
*Pinus* 76, 78  
*Pinus rotundata* 254  
*Pinus strobus* 140  
*Pinus sylvestris* 43, 78, 254, 318  
 pioneer (taxa) 72, 223, 229, 232, 235-236, 244, 248, 280-281, 308, 311  
*Pipistrellus pipistrellus* 271  
*Pipistrellus pygmaeus* 271  
 Pipunculidae 151, 154  
 plaice 362-363  
 Planipennia 143  
 plant lice 140  
 plasmodial slime moulds 53  
 Plasmodiophoromycetes, plasmodiophorids 57-58, 90  
*Plasmodium* 101  
*Platycthyes flesus* 362  
 Platygastridae 157  
 Platyhelminthes 105, 107, 111, 213  
 Platyopodidae 146  
*Platysquilla eusebia* 171  
 Plecoptera 130-131, 209, 340  
*Pleurobrachia pileus* 105  
*Pleurocladia lacustris* 66  
*Pleuronectes platessa* 362-363  
*Pliciloricus* 119  
*Plumatella repens* 193  
*Pluvialis apricaria* 298  
 Poaceae 88, 152  
*Podarcis muralis* 334  
*Podiceps cristatus* 276, 297, 343, 364  
 Podicipedae 297  
*Podon leuckarti* 357  
 polecat 295  
 pollution, -ed 43, 52, 79, 85, 96, 98, 128-131, 147-149, 152-156, 158, 177, 188, 199-200, 202, 206, 266-267, 274, 278, 284-285, 301, 309-312, 317, 319, 321, 336, 340, 344, 358, 363, 367, 370-373, 388  
 Polychaeta, polychaetes 27, 119, 179-180, 211, 213-214, 232, 353, 358, 360, 371  
*Polygonum cuspidatum* 308  
*Polyommatus semiargus* 303  
 Polyplacophora 184, 211  
*Pomatoschistus microps* 108, 363  
 Pompilidae 159  
 pond bat 271  
 pond terrapin (European) 204  
 pondweeds 231  
*Populus nigra* 255  
*Populus tremula* 254  
 Porifera 102, 209, 212, 362  
 porpoise 295  
*Potentilletalia canlescentis* 247  
 pout 354  
 Prasinophyceae 67  
 prawns 177  
 predaceous water beetles 148  
 Priapula, priapulans 117-118, 209, 214  
*Priapulus caudatus* 118  
*Primulo-Carpinetum* 331  
*Proasellus hermaliensis* 174  
 Proctotrupeoidea 157, 160  
*Procyon lotor* 207, 295  
*Prodajus ostendensis* 174  
 Prokaryota, prokaryotes 12, 49-52, 85  
 protect, -ion, -ed 27, 33, 201-202, 220-221, 262, 270-273, 278, 293, 296-297, 301-313, 316, 318-319, 322-323, 325, 334, 341, 345, 377-380  
 Protoctista, protoctists 11, 52-53  
 Protodrilidae 180  
*Protoglossus koehleri* 195  
 Protozoa, protozoans 94-99, 101, 212, 214, 358  
 Protura, proturans 125-126, 209, 213-214  
*Prunus* 338

- Prunus serotina* 308  
 Prynmesiohyta 56  
*Psalteriomonas lanterna* 96  
 Pselaphidae 145, 149  
*Pseudocalanus elongatus* 356  
*Pseudocuma gilsoni* 173  
 Pseudofungi 59, 91  
*Pseudorasbora parva* 200, 301  
 Pseudoscorpiones 120-122, 209  
 Psittacidae 275, 286  
*Psittacula eupatria* 275  
*Psittacula krameri* 206, 275, 286, 297, 343  
 Psocoptera, psocids 134-135, 210  
*Psopbus stridulus* 305  
*Psoquilla marginipunctata* 135  
 Psylloidea, psyllids 138, 210  
 Pteridophyta 75  
 Pterobranchia 195  
 Pterophyta 77, 90  
 Pterygota, pterygotes 125, 128  
 Ptinidae, ptinids 146, 149  
*Puccinellia maritima* 224  
 puffin 179  
 pumpkinseed 301  
 purple moor-grass 311  
 purse-web spider 307  
*Pusillina inconspicua* 186  
 Pycnogonida, pycnogonids 124, 209, 212  
*Pycnogonum littorale* 124  
*Pyrola rotundifolia* 226  
*Pyrolo-Salicetum* 226  
 Pyrrhophyta 58  
*Quercetalia pubescenti-petraeae* 252  
*Quercinon robori-petraeae* 250  
*Quercus petraea* 252  
*Quercus robur* 252, 254, 256  
 quillworts 387  
 rabbit 179, 294  
 raccoon (dog) 207, 295  
 Radiolaria, radiolarians 98  
 raft spider 307  
 rails 297  
*Raja batis* 199  
*Raja clavata* 199, 363  
 Rallidae 297  
*Ramalina* 248  
*Rana arvalis* 299-300  
*Rana bedriagae* 203  
*Rana catesbeiana* 203, 278, 300, 343  
*Rana esculenta* synklepton 202, 299  
*Rana lessonae* 278  
*Rana perezi* 203, 278  
*Rana ridibunda* 203, 278, 300, 343  
*Rana temporaria* 202, 299  
*Ranunculon fluitantis* 232  
*Ranunculus ficaria* 255  
 Raphidioptera 143, 210  
 Raphidophyceae 64, 90  
*Rattus norvegicus* 272  
 ray-finned fishes 200  
 rays 199, 363, 371, 380  
 recreation, -al 76, 217, 261, 265, 267-269, 274, 282, 287, 344, 369  
 red algae 55-57, 60-61, 63-64, 361  
 red deer 295  
 red grouse 206  
 red list 14, 79, 83, 86, 129, 133, 136, 156, 201-202, 206-207, 269, 292-295, 299, 302-316, 336, 341-342  
 red squirrel 272  
 red-backed shrike 296  
 red-eared terrapin 204, 278, 300, 343  
 red-throated diver 364  
 redstart 274  
 reed 42, 312, 314, 331, 346  
 reed bunting 296  
 regression, -ed 155, 158, 198-199, 207, 282, 313, 320, 342  
*Reighardia lomviae* 179  
*Reighardia sterna* 178  
 reindeer moss 310  
 Reptantia 177  
 Reptilia, reptiles 103, 107, 123, 178, 203-204, 211, 270, 277-278, 293, 299-301, 334, 341-343, 387  
 restore(d), -ation 96, 267, 324, 336, 339-340, 345-347, 377-378, 380, 388  
*Rhabdopleura compacta* 195  
*Rhabdopleura normani* 195  
*Rhachomyces* 84  
*Rhinanthus* 141  
*Rhinanthus alectorolophus* 325  
*Rhinolophopylla unipunctata* 145  
*Rhinolophus* 146  
*Rhinolophus ferrumequinum* 207  
*Rhinolophus hipposideros* 207  
*Rhitropanopeus harrisii* 178  
*Rhizocarpon* 248  
 Rhizocephala 170  
*Rhizochromulina*, rhizochromulids 63  
 Rhizomastigina 98  
*Rhizophidium lynghyae* 96  
 Rhizoplaca 248  
 Rhizopoda 95-96  
*Rhodens sericeus* 201, 302  
 Rhodophyta 56, 90, 361  
 Rhombozoa, rhombozoans 110  
 Rhopalocera 156-157, 302, 339  
*Rhynchospira alba* 244  
*Rhynchospira fusca* 244  
*Rhynchosporion* 244  
*Rhynchophthirina* 135  
 Rhytismatales 83  
 ribbon worms 111-112, 214  
*Ribes rubrum* 141  
*Riccia fluitans* 231  
*Ricciolepis natans* 231  
 Ricinulei 120  
 ring-necked pheasant 206  
 ring-necked parakeet 206, 275, 297, 343  
*Riparia riparia* 341  
*Rissoides desmaresti* 171  
 river lamprey 198-199, 302, 341  
 roach 103  
 robber flies 152  
 rock dove 277  
 Rodentia, rodents 145, 207, 294  
 roe deer 272, 295  
*Rorippa* 232  
 Rotifera, rotifers 115-116, 209, 214  
 rove beetles 149  
*Rubus* 79  
*Rugiloricus caroliensis* 119  
*Rumex sanguineus* 255  
 Russulales 86  
 rusts 86, 88  
*Saccoglossus borsti* 195  
*Saccoglossus pygmaeus* 195  
*Sacculina carcini* 170  
*Sagartia elegans* 104, 195  
*Sagitta setosa* 195, 357  
 salamanders 202  
*Salamandra salamandra* 299  
*Salicion albae* 255  
*Salicion arenariae* 226, 319  
*Salicornia europaea* 27, 223  
*Salix* 226  
*Salix alba* 255  
*Salix cinerea* 318  
*Salix fragilis* 255  
*Salix repens* 226  
*Salix repens* ssp. *argentea* 226, 319  
*Salmo salar*, salmon 201, 302, 363  
 salps 196  
*Salvinia natans* 77  
 Salviniiales 77  
 sand martin 341  
 sand mason 353-354, 360, 371  
 Sandwich tern 364  
*Sanguisorba officinalis* 240, 335  
 Saprolegniales 57  
 Sarcodina 95  
*Satyrium w-album* 303  
 Savi's warbler 296  
 sawflies 157, 214  
*Saxicola rubetra* 296, 334  
*Saxicola torquata* 296  
 scales, scale insects 141, 214  
 scallops 187  
 Scaphopoda, scaphopods 184, 189-190, 211  
 Scarabaeoidea, scarabids 33, 145, 149  
 scarce fritillary 303  
 scarce heath 304  
 scarce large blue 303-304

- scarce swallowtail 303  
*Schistomysis kervillei* 359  
*Schistomysis spiritus* 359  
*Schistosoma* 107  
*Schoenus nigricans* 245-246  
 Sciomyzidae 154  
*Scirpus maritimus* 312  
*Scirpus setaceus* 281  
*Sciurus vulgaris* 272  
*Scolecipis squamata* 360  
 Scolytidae 145, 149, 279  
*Scomber scombrus* 363  
*Scophthalmus* 362  
 scorpion flies 144  
 Scorpiones 120  
 Scots pine 43, 318  
*Scyliorhinus canicula* 199  
 Scyphozoa 104  
 sea anemones 104  
 sea birds 363-365, 370, 377  
 sea cucumbers 191, 196  
 sea daisies 196  
 sea lamprey 199, 302  
 sea spiders 124, 212  
 sea squirts 196-197  
 sea stars 196  
 sea turtle 204  
 sea urchins 196, 360  
 sea wasps 104  
 sea-buckthorn 226  
 seagulls 178  
 sedge 31, 243, 245, 251, 263, 312-313  
 sedge warbler 296  
*Sedion albi* 235  
*Sedo albi* 248  
*Sedo-Cerastion* 236  
*Sedo-Scleranthion* 248  
*Sedum* 265  
 seed plants 75, 78, 88  
*Selaginella helvetica* 76  
*Selaginella kraussiana* 76  
 Selaginellaceae 75  
*Semibalanus balanoides* 361  
*Sempervivum funckii* var. *aqualiense* 79  
*Senecio inaequidens* 283, 286, 345  
*Senecion fluviatilis* 239  
*Sepia* 362  
*Sepia officinalis* 110  
*Serinus canaria* 206  
*Sertularia cupressina* 359  
*Sesleria albicans* 251  
 shanny 363  
 sharks 199, 363, 371, 380  
 sheet-web weavers 120  
 shore crab 178  
 short-winged mold beetles 149  
 shrews 294  
 shrimps 45, 114, 212, 371  
 Siberian chipmunk 207-208, 272, 294  
 signal crayfish (North American) 178  
*Silene dioica* 281  
*Sileno conicae* 236  
 silicoflagellates 60, 63  
 silver birch 318  
 silverfish 127  
*Simocephalus serrulatus* 164  
 Siphonaptera 144-145, 210  
 Sipuncula, sipunculids 119, 182-183, 211, 213-214  
 skates 363  
 skylark 342  
 slime moulds 91  
 slipper limpet 186, 375-376  
 slow worm 299  
 slugs 185, 214, 388  
 smelt 302, 363  
 smew 297  
 smooth snake 299-300, 334  
 smuts 86, 88  
 snail-killing flies 154  
 snails 185, 214  
 snake flies 143  
 snakes 203, 278, 299  
 soft rush 315  
 sole 362-363  
*Solea solea* 362  
 Solenogastres 184, 211  
*Solidago* 345  
*Solidago canadensis* 283  
*Solidago gigantea* 283  
*Solidobalanus fallax* 169  
 Solifugae 120  
*Somatochlora arctica* 334  
 soprano pipistrelle 271  
*Sorbus aucuparia* 254  
 Sordariales 83  
 Soricidae 294  
 southern oak bush-cricket 133  
 spadefoot 299, 300  
 sparrowhawk 343  
*Spartina angelica* 308  
*Spartina maritima* 223  
*Spartina townsendii* 223  
*Spartinion maritimae* 223  
*Spergula morisonii* 228  
*Spergularia marina* 223  
 Spermatophyta 78  
 Sphaeriales 83  
 Sphagnidae 73  
*Sphagnum* 24, 31, 121-122, 241, 243, 254, 311, 335  
*Sphagnum flexuosum* 283  
 Sphecidae, sphecid wasps 159  
 sphenodonts 203  
 Sphenophyta 76, 90  
 spider wasps 159  
 spiders 41, 120, 132, 212, 278-279, 292-293, 306-307, 314, 321  
 spined loach 302  
 spiny-headed worms 114, 215  
*Spirodela polybriza* 231  
*Spisula subtruncata* 360  
 sponges 102, 119, 124, 143, 212, 359, 362, 371  
 spoon bills 297  
 spoon worms 183, 214  
 Sporozoa, sporozoans 101  
 springtails 126-127, 214  
 spruce 24, 33, 333  
*Squalus acanthias* 199  
*Squatina squatina* 199  
 squids 176, 190  
 St Mark's flies 152  
 stag beetles 279  
 Staphylinidae, staphylinids 84, 145-146, 149  
 starfish 196  
 starry ray 363  
 starry smooth hound 199  
*Stellario-Carpinetum* 331  
*Stenobothrus lineatus* 305  
 Stenopodidea 177  
*Stercocarius skua* 364  
*Sterna albifrons* 364  
*Sterna hirundo* 364  
*Sterna sandvicensis* 364  
 Sternorrhyncha 138-141  
*Stetbophyma grossum* 305  
*Sthenelais boa* 360  
 stinkhorns 86  
*Stipetalia calamagrostis* 247  
 stoat 272  
*Stomatolepas elegans* 169  
 Stomatopoda, stomatopods 171-172, 211, 214  
 stone marten 295  
 stone moroko 301  
 stoneflies 130-131, 340  
 stoneworts 68  
 storks 297  
 Stramenopiles 59-60  
 Strepsiptera, strepsipterans 150, 210  
 Streptophyta, streptophytes, streptophyceans 57, 67-71, 90  
 sturgeon (Atlantic) 200-201, 302, 363  
*Styela clava* 197  
*Stylochibia mytilus* 100  
*Stylopauropus pedunculatus* 163  
 stylopids 150  
*Suaeda maritima* 223  
 subarctic darner 334  
 succulent plant 265  
 sucking lice 135  
 Suctoria 99  
*Suillus luteus* 87  
 summer lilac 283  
*Sus scrofa* 295  
 swans 297

- swifts 265  
*Symbion pandora* 116  
*Sympecma fusca* 306  
*Sympetrum fonscolombii* 306  
*Sympetrum meridionale* 306  
 Symphyla, symphylans 160-161, 210, 214  
 Symphyta 157, 160  
 Syncarida 171  
*Synchytrium* 81  
*Synura* 61  
 Synurophyceae, synurids 60-61, 90  
 Syrphidae 154, 339  
 Tabanidae 154  
*Tachinus flavolimbatus* 146  
*Tachybaptus ruficollis* 297  
*Tachycines asynamorus* 133  
*Tadorna tadorna* 297  
*Talpa europaea* 122, 294  
 Talpidae 294  
*Tamias sibiricus* 207, 272, 294  
*Tamus communis* 280  
 Tanaidacea, tanaidaceans, tanoids 173-174, 211, 213  
 Tantulocarida, tantulocarids 169, 210, 214  
 tapeworms 109, 214-215  
 Taphrinales 83  
*Taraxacum* 79  
 Tardigrada, tardigrades 191, 211, 213-214  
 tawny pipit 296  
*Taxus* 250  
*Taxus baccata* 78  
*Teesdalia nudicaulis* 228  
 Teleostei, Teleostomi 200, 211  
*Tellina* 376  
*Temora longicornis* 356-357  
 ten-spot ladybird (European) 10  
 Tenebrionidae 146  
 Tentaculata 105  
 Tephritidae 154  
 termites 97  
 terns 297, 364  
 testate amoebae 96  
*Testechiniscus spitsbergensis* 192  
*Tetra urogallus* 331  
*Tetramitus* 97  
*Tetrao tetrax* 296, 334  
*Tetrastemma flavidum* 112  
 Tetrigoidea 133  
*Tetrix bipunctata* 305  
*Tetrix ceperoi* 305  
*Tetrix tenuicornis* 305  
 Tettigonioida 133  
 Thaliacea 196-197  
*Thalictrum flavum* 226  
 Thecamoebidae 96-97  
*Thecla betulae* 303  
*Thero-Airion* 312  
 thick-headed flies 153  
 Thoracica 169-170  
 thornback ray 199, 363  
 thorny-headed worms 114, 215  
 threat(s), threatened 14, 17-18, 34, 71, 77, 79, 144-149, 152-154, 158-160, 200-203, 206-207, 217, 221, 227, 236, 265, 269, 278-286, 292, 294, 296, 299-316, 320, 332, 334, 336, 339-345, 367, 370-371, 374, 379-380, 388  
 Threskiornithidae 297  
 thrips 142, 214  
*Thymallus thymallus* 302  
 Thysanoptera 142, 210, 213-214  
 Thysanura 125, 127, 209  
 ticks 123  
 tiger beetles 147, 304-305  
*Tilia cordata* 253  
*Tilio-Acerion* 253  
 Tintinnidae 99  
 toads 202  
 toadstools 81  
 tompot blenny 363  
 tongue worms 178, 214  
 tooth shells 189  
*Trachemys scripta elegans* 204, 278, 286, 343  
 Trebouxiophyceae 67  
 tree pipit 274, 296  
 tree sparrow 296, 342  
 Trematoda, trematodes 105-107, 209, 214-215  
 Tremellomycetidae 86  
 Tribophyceae 65, 90  
*Tricellaria inopinata* 192  
 Trichomycetes 82  
 Trichoptera 155, 210, 340  
*Trichopterus luscus* 354  
*Triops cancriformis* 165  
*Triturus alpestris* 202, 299  
*Triturus cristatus* 299  
*Triturus helveticus* 299-300  
*Triturus vulgaris* 202, 299  
*Trochospongilla horrida* 102  
 Trogidae 146  
 true bacteria 50  
 true bugs 136  
 true crabs 114  
 true flies 150-151, 214  
 true fungi 81  
 true slime moulds 53  
 truffles 82  
*Trypanosoma gambiense* 97  
*Trypetesa lampas* 170  
*Trypodendron domesticum* 279  
*Trypodendron signatum* 279  
 Tubificidae 181  
*Tubiluchus* 118  
*Tubularia* 354  
 tufted duck 297-298  
 tundra swan 297  
 Tunicata, tunicates 111, 196-197, 211  
 Turbellaria, turbellarians 105-106, 209, 214  
 turbot 362  
*Turdus merula* 273  
 Turkish crayfish 178  
*Tursiops truncatus* 208, 295, 365  
 turtles 203-204, 278, 362, 388  
 twaite shad 302  
 twisted-wing insects 150  
 Tylenchida 113  
*Typha latifolia* 318  
*Ulicion minoris* 225  
*Ulmion minoris* 256  
*Ulmus* 256, 338  
*Ulmus glabra* 253  
*Ulmus laevis* 256  
*Ulmus minor* 256  
 Ulvophyceae 67  
 Umbilicaria 248  
*Umbra pygmaea* 301  
*Undaria pinnatifida* 376  
 upland goose 206  
*Upupa epops* 206  
 Uredinales 88  
 Urediniomycetes 86, 88  
*Uria aalge* 179, 363  
*Urnatella gracilis* 119  
 Urochordata 196  
 Urodontidae 146  
 Uropygi 120  
*Ursus arctos* 271, 331  
*Urticina felina* 354  
*Usnea* cf. *U. subfloridana* 284  
 Ustilaginales 88  
 Ustilaginomycetes 86, 88  
*Utricularia intermedia* 246  
*Vaccinio-Betuletum* 331  
*Vaccinio-Ericetum* 312  
*Vaccinium* 254, 312  
*Vanellus vanellus* 298  
 vascular plants 14, 57, 71, 75, 79, 89, 222, 342, 345  
*Vaucheria* 65  
*Vejdovskyella comata* 181  
*Veronicion dillenii* 248  
*Verruca* 169  
 Verrucomorpha 170  
 Vertebrata, vertebrates 14, 101, 106, 109, 113-114, 123, 196-208, 212-213, 269, 292, 312, 387  
 Vespidae 159  
*Viola canina* 226  
*Violetalia calaminariae* 236, 335  
*Violion caninae* 238, 312  
*Violo-Nardion* 238  
*Vipera berus* 204, 299  
 Viridiplantae 67  
*Viscum album* 80  
 viviparous lizard 299

- Vorticella nebulifera* 100  
*Vulpes vulpes* 179, 272, 295, 343  
waders 27, 205, 222, 297  
*Walckenaeria corniculans* 279  
warble flies 153  
wasp spider 307  
wasps 41, 157, 159, 214  
water bears 191, 214  
water birds 27, 222, 297-298, 313  
water fleas 163, 214  
water moulds 57, 59, 81  
water pennywort 308  
water spider 307  
water vole 207  
waterferns 77  
weasel 272, 295  
weatherfish 302  
western polecat 272  
whales 295, 365  
whelk 371, 373  
whinchat 296, 334  
white stork 206  
white-beaked dolphin 208, 365  
white-throated dipper 340  
whiteflies 139  
whiting 362  
wigeon (Eurasian) 298-299, 314  
wild boar 295  
wild cat 207  
wild garlic 263  
wolf 207, 271  
*Wolffia arbizza* 231  
wood duck 275-276  
wood warbler 274  
woodland brown 303  
woodlark 296  
woodlice 321  
*Xanthium* 232  
Xanthophyceae, xanthophytes 60, 65, 97  
*Xenylla maritima* 127  
Xylariales 83  
*Xylosandrus germanus* 279  
yeasts 81-83, 86, 89  
yellow-bellied toad 202-203, 299-300  
yellow-green algae 65  
yellowhammer 296  
zooflagellates 97  
Zoomastigina, Zoomastigophora 97-98  
*Zosteretum marinae* 222  
zygnemataleans 68  
Zygnematophyceae, zygnematophyceans 68, 90  
Zygomycota, zygomycetes 82, 89-90