

Systematic Botany. Lecture 29

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Outline

Questions and answers

Overview

Phyla of living things

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Previous final question: the answer

For each kingdom, list at least one representative phylum.

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- ▶ I will repeat this “memory” question again in hope to see better results.

Overview

Phyla of living things

Regnum PROTISTA [⁷*Euglena*]*⁷Subregnum ***Panmycota***[†] [^{6,8}*Agaricus*]*Superphylum *Myconta*[†] [^{6,2}*Agaricus*]* s.a.Phylum 16(16). *Choanozoa* [⁶*Codosiga*] s.a.17(17). *Nucleamycota*[†] [⁶*Nuclearia*]18(18). *Eomycota*[†] [⁶*Mucor*]* s.a.19(19). *Microsporidia* [⁶*Microsporidium*]20(20). *Basidiomycota* [⁶*Agaricus*]21(21). *Ascomycota* [⁶*Ascomyces*]⁸Superphylum *Sarcobionta*[†] [^{6,2}*Amoeba*]Phylum 22(22). *Amoebozoa* [⁶*Amoeba*]⁹23(23). *Apusozoa* [⁶*Apusomonas*] s.a.Subregnum ***Excavata*** [^{6,8}*Euglena*]Phylum 24(24). *Metamonada* [⁶*Trichomonas*] s.a.25(25). *Discoba* [⁶*Euglena*] s.a.

Subregnum *Panalgae*[†] [^{6.8}*Fucus*]**Infraregnum Chromobionta [^{6.5}*Fucus*] s.a.**Superphylum *Rhizaria* [^{6.2}*Cercomonas*]Phylum 26(26). *Cercozoa* [⁶*Cercomonas*] s.a.¹⁰27(27). *Radiolaria* [⁶*Acanthometra*]Superphylum *Heteroconta* [^{6.2}*Fucus*]Phylum 28(28). *Labyrinthomorpha* [⁶*Labyrinthula*]29(29). *Opalozoa*[†] [⁶*Opalina*]30(30). *Oomycota* [⁶*Saprolegnia*]31(31). *Chromophyta* [⁶*Fucus*] ¹¹Superphylum *Alveolata* [^{6.2}*Paramecium*]Phylum 32(32). *Myxozoa* [⁶*Peridinium*]33(33). *Ciliophora* [⁶*Paramecium*]**Infraregnum Hacrobia [^{6.5}*Cryptomonas*] s.m.**Phylum 34(34). *Cryptista* [⁶*Cryptomonas*] s.a.35(35). *Centrohelida* [⁶*Acanthocystis*] sed.m.36(36). *Haptophyta* [⁶*Prymnesium*]**Infraregnum Chlorobionta [^{6.5}*Volvox*]**Phylum 37(37). *Glaucophyta* [⁶*Glaucocystis*]38(38). *Rhodophyta* [⁶*Bangia*]39(39). *Chlorophyta* [⁶*Volvox*]* s.a.

Regnum ANIMALIA [⁷*Araneus*]

Subregnum ***Spongia*** [^{6,8}*Spongia*]

Phylum 43(43). *Porifera* [⁶*Spongia*]

Subregnum ***Ctenophora*** [^{6,8}*Ctenoplana*]

Phylum 44(44). *Ctenophora* [⁶*Ctenoplana*]

Subregnum ***Phagocytellozoa*** [^{6,8}*Trichoplax*]

Phylum 45(45). *Monoblastozoa* [⁶*Salinella*]
46(46). *Placozoa* [⁶*Trichoplax*]

Subregnum ***Cnidaria*** [^{6,8}*Hydra*]

Phylum 47(47). *Anthozoa* [⁶*Actinia*]
48(48). *Medusozoa* [⁶*Hydra*]*
49(49). *Myxozoa* [⁶*Myxidium*]

Subregnum *Bilateria* [^{6.8}*Araneus*]

Infraregnum Vetuliozoa [^{6.5}*Felis*]

Superphylum *Acoelomorpha* [^{6.2}*Convoluta*] sed.m.

Phylum 50(50). *Acoelomorpha* [⁶*Convoluta*]

Superphylum *Deuterostomia* [^{6.2}*Felis*]

Phylum 51(51). *Echinodermata* [⁶*Echinus*]

52(52). *Hemichordata* [⁶*Balanoglossus*]

53(53). *Chordata* [⁶*Felis*] s.a.

Infraregnum Protostomia [^{6.5}*Araneus*]

Superphylum *Spiralia* [^{6.2}*Nereis*]

- Phylum 54(54). *Platyzoa* [⁶*Fasciola*] s.a.
- 55(55). *Polyzoa* [⁶*Pedicellina*] s.a.
- 56(56). *Mollusca* [⁶*Limax*]
- 57(57). *Brachiozoa* [⁶*Lingula*] s.aggr.
- 58(58). *Nemertea* [⁶*Nemertes*]
- 59(59). *Annelida* [⁶*Nereis*]
- 60(60). *Mesozoa* [⁶*Dicyema*] sed.m.

Superphylum *Chaetozoa*[†] [^{6.2}*Sagitta*]

- Phylum 61(61). *Chaetognatha* [⁶*Sagitta*]

Superphylum *Ecdysozoa* [^{6.2}*Araneus*]

- Phylum 62(62). *Nemathelminthes* [⁶*Ascaris*] s.a.
- 63(63). *Tardigrada* [⁶*Macrobiotus*] stat.m.
- 64(64). *Arthropoda* [⁶*Araneus*] s.a.

Regnum VEGETABILIA [⁷*Magnolia*]Phylum 40(40). *Bryophyta* [⁶*Bryum*]*41(41). *Pteridophyta* [⁶*Pteris*]*42(42). *Spermatophyta* [⁶*Magnolia*] s.a.

Final question (4 points)

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For Further Reading



Margulis and Chapman. 2009.

Kingdoms and domains: an illustrated guide to the phyla of life on Earth. 4th edition.