

Systematic Botany. Lecture 29

Alexey Shipunov

Minot State University

November 9, 2011

Outline

Questions and answers

Overview

Phyla of living things

Outline

Questions and answers

Overview

Phyla of living things

Previous final question: the answer

For each kingdom, list at least one representative phylum.

Previous final question: the answer

For each kingdom, list at least one representative phylum.

- ▶ 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). *Myzozoa* [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*Macrobotus*] 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)

Final question (4 points)

For each kingdom, list at least one representative phylum.

For Further Reading



Margulis and Chapman. 2009.

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