

Systematic Botany. Lecture 24

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Outline

Questions and answers

Protista

Panalgae

Outline

Questions and answers

Protista

Panalgae

Previous final question: the answer

What are Excavata?

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What are Excavata?

- ▶ Subregnum of Protista
- ▶ Gliders
- ▶ Organisms with deviated mitosis and meiosis, susceptible to some antibiotics and close to prokaryotes by structure of some proteins

Protista

Panalgae

“Big” Cercozoa—Pr-3, Pr-4, Pr-20, Pr-29, Pr-30

Subphylum *Endomyxa* [^{5.8}*Gromia*]

Classis 8(119). *Gromiidea* [⁵*Gromia*]

9(120). *Ascetosporea* [⁵*Haplosporidium*]⁷⁶

10(121). *Proteomyxidea* [⁵*Filoreta*]*⁷⁷

11(122). *Plasmodiophorea* [⁵*Plasmodiophora*]⁷⁸

12(123). *Foraminifera* [⁵*Rotalia*]⁷⁹

Radiolaria—Pr-31

Phylum 27. RADIOLARIA [⁶*Acanthometra*]

Classis 1(124). *Taxopodida* [⁵*Sticholonche*] stat.m. ⁸⁰

2(125). *Polycystinea* [⁵*Collosphaera*]*

3(126). *Acantharia* [⁵*Acanthometra*]

Labyrinthomorpha and Opalozoa—Pr-19, Pr-21

Superphylum *Heteroconta* [^{6.2}*Fucus*]

Phylum 28. LABYRINTHOMORPHA [⁶*Labyrinthula*]

Classis 1(127). *Labyrinthulea* [⁵*Labyrinthula*]⁸¹

Phylum 29. OPALOZOA[†] [⁶*Opalina*]

Classis 1(128). *Bicoecea* [⁵*Bicosoeca*]⁸²

2(129). *Placididea* [⁵*Placidia*]⁸³

3(130). *Opalineae* [⁵*Opalina*]⁸⁴

4(131). *Blastocystea* [⁵*Blastocystis*]

5(132). *Actinophryida* [⁵*Actinophrys*] sed.m.⁸⁵

Oomycota, Pr-14

Phylum 30. OOMYCOTA [⁶*Saprolegnia*]

Classis 1(133). *Oomycetes* [⁵*Saprolegnia*]⁸⁶

Chromophyta—Pr-15–18, Pr-27

Phylum 31. CHROMOPHYTA [⁶*Fucus*] ⁸⁷

Classis 1(134). *Bacillariophyceae* [⁵*Diatoma*] s.a.⁸⁸

2(135). *Dictyochophyceae* [⁵*Dictyocha*] ⁸⁹

3(136). *Pelagophyceae* [⁵*Pelagomonas*] ⁹⁰

4(137). *Eustigmatophyceae* [⁵*Eustigmatos*]

5(138). *Chrysophyceae* [⁵*Chrysococcus*] s.a.⁹¹

6(139). *Pinguiphyceae* [⁵*Pinguiochrysis*]

7(140). *Raphidophyceae* [⁵*Rhaphidomonas*]

8(141). *Phaeophyceae* [⁵*Fucus*] s.a.⁹²

Final question (2 points)

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Write the short characteristic of any phylum from today's lecture

Appendix

For Further Reading

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Margulis and Chapman. 2009.

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