

SUPPLEMENTAL INSTRUCTION FOR SURVEY OF BIOLOGY by Richard X. Thripp

Week 12, Fall 2009, Nov 18 / 19. Taxonomy and Microbes ch. 14-15. daytonastate.org/biology

- 1.) Carolus _____ developed the taxonomic naming system.
- 2.) Which of these is correct? (Circle one) *Panthera pardus* *Panthera pardus* *Panther Pardus*
- 3.) _____, Kingdom, _____, Class, _____, Family, _____, species
- 4.) Prokaryotic cells divide by _____ fission. DNA is in the _____, part of the cytoplasm.
- 5.) What shape of bacteria is spherical? (Circle) Coccus Bacillis Spirochetes
- 6.) What shape of bacteria is brick or rod shaped? _____ Spiral shaped? _____
- 7.) Autotrophs get carbon from CO₂ (carbon dioxide—inorganic). Heterotrophs get carbon from organic compounds. A photoautotroph gets its energy from _____ and carbon from _____.
- 8.) A chemoautotroph gets its energy from _____ chemicals and its carbon from _____.
- 9.) A photoheterotroph gets its energy from sunlight and carbon from _____ compounds.
- 10.) A chemoheterotroph gets its energy AND carbon from organic _____.
- 11.) Green, red, and brown algae are multicellular _____ (eukaryotic kingdom).
- 12.) What is the ancestor of land plants? _____ (unicellular and colonial)
- 13.) A ciliate moves by _____. A flagellate moves by _____.
- 14.) Which of these is a chemoheterotroph? (Circle 2) humans trees flowers mushrooms
- 15.) Which of these is a photoautotroph? (Circle 1) mushrooms humans trees w/ leaves
- 16.) A waxy _____ prevents dehydration in plants. (ch. 16)
- 17.) Mosses (bryophytes) alternate between the gametophyte and the sporophyte generations. The gametophyte is ____ ploid (___N), and makes gametes by _____. (ch. 16)
- 18.) The sporophyte is ____ ploid (___N) and makes _____ by meiosis. (ch. 16)
- 19.) Ferns were the first plants to develop a _____ system. They are seedless. (ch. 16)
- 20.) _____ (conifers) were the first seed plants. (ch. 16)