

# BIOLOGY LABORATORY QUIZ:

## Cell Anatomy and Physiology

Name: \_\_\_\_\_

1. This cell would be classified as a/n:
  - a. autotrophic eukaryote
  - b. autotrophic prokaryote
  - c. heterotrophic eukaryote
  - d. heterotrophic prokaryote
  - e. pseudokaryote
2. This organism is:
  - a. cyanobacteria
  - b. human
  - c. elodea
  - d. onion
  - e. *Spirillum*
3. What part of the cell is this?
  - a. Cell wall
  - b. Cytoplasm
  - c. Nucleus
  - d. Nucleolus
  - e. Plasma membrane
4. The cell on this slide is:
  - a. bacteria
  - b. human
  - c. elodea
  - d. onion
  - e. yeast
5. This cell would be classified as a/n:
  - a. autotrophic eukaryote
  - b. autotrophic prokaryote
  - c. heterotrophic eukaryote
  - d. heterotrophic prokaryote
  - e. pseudokaryote
6. This is a/n --- cell.
  - a. animal
  - b. bacteria
  - c. fungus
  - d. plant
  - e. virus
7. What part of the cell is this?
  - a. Cell wall
  - b. Chloroplast
  - c. Nucleus
  - d. Nucleolus
  - e. Plasma membrane
8. What part of the cell is this?
  - a. Cell wall
  - b. Cytoplasm
  - c. Nucleus
  - d. Nucleolus
  - e. Plasma membrane
9. This organism would be classified as a/n:
  - a. autotrophic eukaryote
  - b. autotrophic prokaryote
  - c. heterotrophic eukaryote
  - d. heterotrophic prokaryote
  - e. pseudokaryote
10. The organism shown is a/n:
  - a. animal
  - b. bacteria
  - c. cyanobacteria
  - d. plant
  - e. yeast
11. The organism is:
  - a. polykaryotic
  - b. eukaryotic
  - c. dikaryotic
  - d. prokaryotic
  - e. pseudokaryotic
12. This cell is
  - a. autotrophic
  - b. heterotrophic
13. The part of the cell indicated by the pointer is the:
  - a. Cell wall
  - b. Chloroplast
  - c. Nucleus
  - d. Nucleolus
  - e. Plasma membrane
14. The part of the cell indicated by the pointer is the:
  - a. Cell wall
  - b. Cytoplasm
  - c. Nucleus
  - d. Nucleolus
  - e. Plasma membrane

15. This organism is:
- a. cyanobacteria
  - b. human
  - c. elodea
  - d. onion
  - e. *Spirillum*
16. This cell is
- a. autotrophic
  - b. heterotrophic
17. The phenomenon seen here is:
- a. active transport
  - b. cyclosis
  - c. cytokinesis
  - d. mitosis
  - e. plasmolysis
18. During this process the living cell:
- a. can pump material across the membrane
  - b. divides the cytoplasm
  - c. divides the nucleus
  - d. loses water by osmosis
  - e. shows movement of the cytoplasm
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