

NAME: \_\_\_\_\_ section: \_\_\_\_\_

### Cell Quiz

1. In phospholipid molecules, most membranes have
  - a. A hydrophobic head & a hydrophilic tail
  - b. A hydrophilic head and a hydrophobic tail
  - c. A hydrophobic tail and two hydrophobic heads
  - d. A hydrophilic head and two hydrophobic tails
2. Insert the correct order of living things  
Cells, tissues, \_\_\_\_\_, organ systems, organism
3. An organelle associated with respiration is  
(chloroplast/mitochondrion)
4. Ribosomes are made in the (nucleolus/cell membrane)
5. A 9:2 array refers to (microtubules/microfilaments)
6. The diameter of most living cells is (10-50 mm/10-50Microns)
7. A structure that regulates what enters a cell is (ER/membrane)
8. Animal cells have a (cell wall/cell membrane)
9. A Prokaryote (does/does not) have a membrane bound nucleus.
10. The most numerous organelle is (ER/ribosome)
11. The respiration center of a cell is (golgi/mitochondria)
12. The packaging organelle is (golgi/mitochondria)
13. The digestive organelle is (lysosome/ribosome)
14. Serves as a highway for the cell (golgi/ER)
15. Fine protein threads support the cell (microtubules/microfilaments)
16. Short hairlike projections cause movement (flagella/cilia)
17. organelle with own DNA that can fuse & divide (nucleus/mitochondria)
18. Gel like liquid outside the nucleus ( nucleoplasm/cytoplasm)
19. Membrane that protects the nucleus (nuclear envelope/nuclear pores)
20. Play a role in early development ( lysosome/ribosome)
21. Most Eukaryotic cells have 3 main components  
(nucleus/cytoplasm/organelles/membrane/golgi body/cell walls)
22. The most common Prokaryotic cell is (algae/bacteria/fungi)
23. Converting sunlight into carbohydrate is (respiration/photosynthesis)
24. Three major biochemical events essential to cell evolution were
  - 1) lipid bilayer
  - 2) cell energy
  - 3) (genetic material/proteins)
25. Colonial organisms (do/do not) exhibit specialization