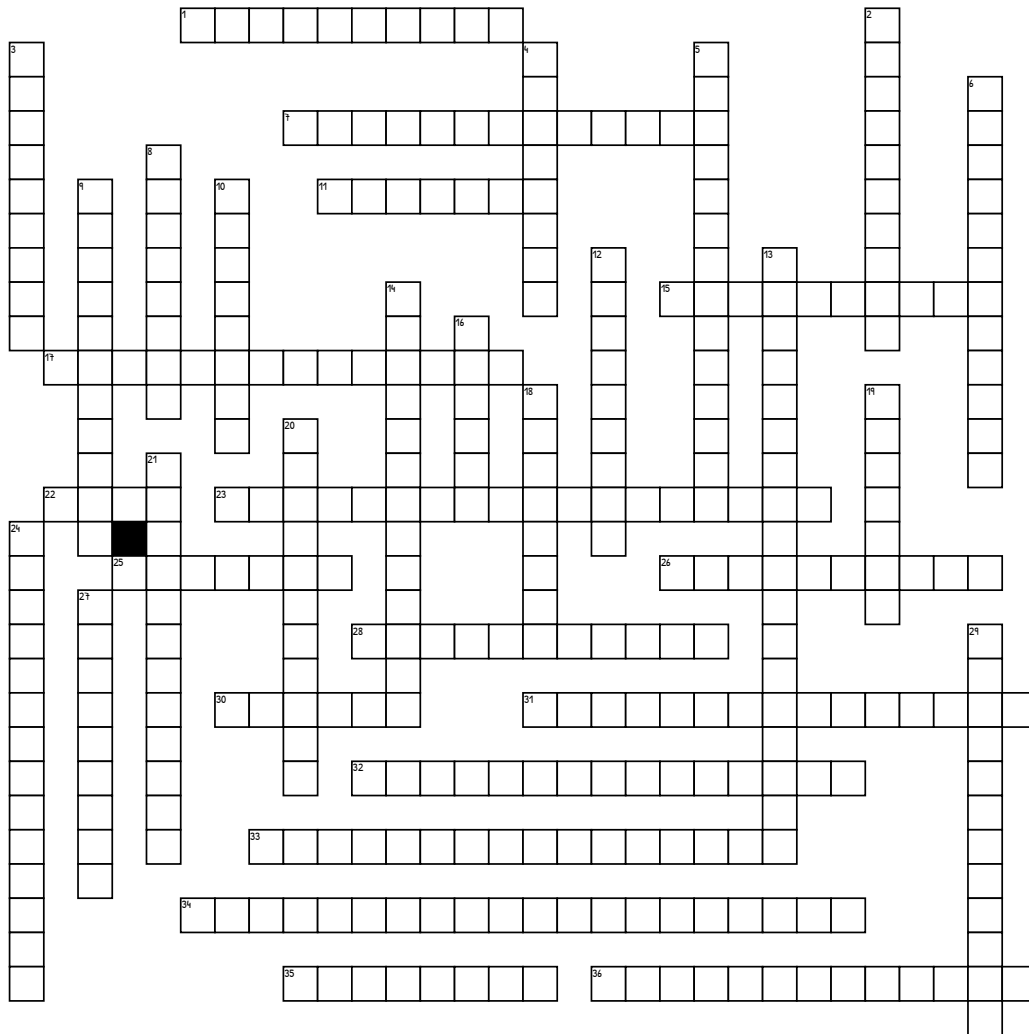


Name: _____

Date: _____

Parts of the Cell



Across

1. What are organized structures of macromolecules that have specialized functions and that are suspended in cytoplasm?
7. What is the substance holding walls of two adjacent cells together?
11. What holds respiratory enzymes and other large respiratory molecules in place within the mitochondria?
15. What is the site in plant cells where hydrogen peroxide and other harmful molecules are broken down?
17. What in a plant cell is the site of modification, sorting, and secretion of lipids and proteins?
22. What are hairlike outgrowths that are common in prokaryotes and are used for both attaching some types of bacteria to surfaces or exchanging genetic information with other types of bacteria?
23. What are cyanobacteria often surrounded by?
25. What is the site of protein sorting and secretion in plant cells?
26. Where are the pigments that are produced from cyanobacteria held in (photosynthetic membranes)?
28. What kind of cells do not contain a membrane-bound nucleus or any other membrane-bound organelles?
30. What is an irregularly shaped, heterophobic protist with many internal organelles?
31. Outer part of cell wall?

32. What, in plant cells, is the double membrane that encloses the nucleolus?
 33. What makes up 90% of the volume of mature cells and has the functions of storage of organic and inorganic molecules, ions, water, enzymes, and waste products?
 34. What is movement of the chloroplast called?
 35. What is the site of detoxification and lipid synthesis in plant cells?
 36. What is cytoplasmic strands that is connected to the protoplasm of adjacent walls of the cell, in means of penetrating the cell wall?
- ## Down
2. What is the part called that contains all of the material and organelles contained by the plasma membrane?
 3. What is, in a prokaryote organism, enclosed in a plasma membrane and is surrounded by a cell wall that is covered by a gelatinous capsule?
 4. What are hairlike outgrowths that are common in prokaryotes and are used for movement?
 5. What is the membrane that controls movement of substances into and out of the cell and is the site of cell signaling, in plant cells?
 6. What in a plant cell contains the protein filaments that provide shape and aid in movement?
 8. What is the study of cellular structure and function?
 9. What are temporary protrusions of the cell?
 10. What is the structure that provides cell support in plant cells?

12. What are the small, regularly shaped units that you see that are surrounded by cell walls?
13. What is an important structure in amoeba that accumulates and expels water and waste products?
14. What is formerly known as blue-green algae and contain chlorophyll a and accessory pigments for photosynthesis, but the pigments are not enclosed in a membrane-bound chloroplast?
16. What contains genetic material of the cell while also controlling the metabolism of the cell (within eukaryotic cells)?
18. What is the site of protein sorting and lipid synthesis in plant cells?
19. What in a plant cell is the site of many metabolic pathways?
20. What, in plant cells, is the passageway for molecules into and out of the nucleus?
21. What are organelles that are found in both animal and plant cells that are the site where aerobic respiration occurs?
24. What part of the cell contains mostly water and is bounded by a vacuolar membrane?
27. What forms the matrix of the eukaryotic cell and is contained by the plasma membrane?
29. What are elliptical green organelles in plant cells that are the site of photosynthesis?

Word Bank

Amoeba
Cytology
Cytoplasm
Protoplast
Nuclear pore
Plasma membrane

Nuclei
Cytoplasm
Plasmodesmata
Cytoplasmic streaming
Cell wall
Thylakoids

Rough ER
Organelles
Chloroplasts
Golgi apparatus
Nuclear envelope
Peroxisome

Ribosome
Mitochondria
Cellulose
Primary cell wall
Cyanobacteria
Cytoskeleton

Cristae
Flagella
Central vacuole
Middle lamella
Cytosol
Mucilaginous sheath

Pili
Smooth ER
Vacuolar membrane
Pseudopodia
Prokaryotes
Contractile vacuole