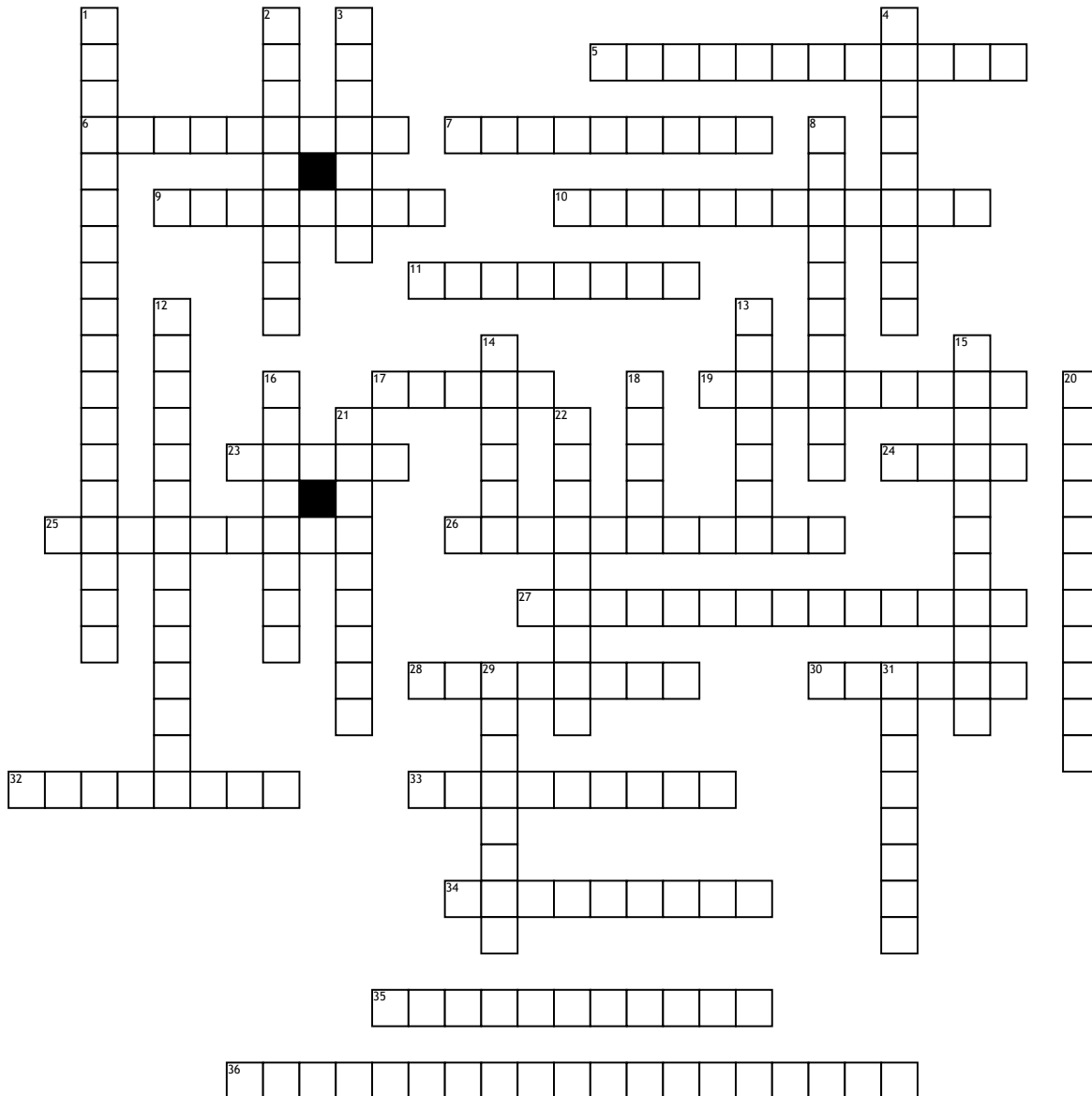


# Cell Membrane #2 Extra Credit CP



## Across

5. The biggest part in the cytoskeleton is the .....
6. What is the loss of electrons in redox reactions?
7. What happens when a protein unravels due to excessive heat?
9. An enzyme speeds up a reaction by lowering/raising the reaction rate?
10. What is the organelle that undergoes cellular respiration? (named Powerhouse)
11. What is the organelle that supports and protects the cell membrane of a plant?
17. What is the name of the organelle (in prokaryotes) that makes a waving/beating motion and helps the cell to move? (Skinny!)
19. A lysosome is made from the organelles: Golgi body, Rough ER, and .....
23. Intermediate filaments, microtubules, and microfilaments (.....) are all apart of the cytoskeleton?
24. The product of oxidase is?
25. What are plant cell walls made of that prokaryotic cell walls aren't?
26. What is the process when the nucleus divides?
27. Actin filament is only present when the cell undergoes cytokinesis, causing a .... ..?
28. What is the organelle that breaks down things to be recycled? (ex: cancer)
30. What is uncontrolled cell division?
32. What is the organelle (in prokaryotes) that allows cell to move around? (thick, low #)
33. What is the process in which lysosomes program a cell's death?
34. What is the gain of electrons in redox reactions?
35. What is the organelle that performs photosynthesis?
36. What does this formula represent:  $C_6H_{12}O_6 + 6O_2 \rightarrow ATP + 6CO_2 + 6H_2O$

## Down

1. What is the name of the theory that described how the mitochondria was first formed?
2. Oxidase is a ..... enzyme?
3. What is the process in which an animal cell divides?
4. What is an organism that is capable of making its own food?
8. What is the organelle that organizes and anchors microtubules and actin when nucleus divides? (churros)
12. What is the organelle (in plants) that is filled with fluid to hold up the cell wall through turgor pressure?
13. What is the process when your gametes divide?
14. Prokaryotic cells go through ..... fission?
15. What is the organelle that performs redox reactions, including enzymes oxidase and catalase?
16. What is the organelle (in animals) that hold water, waste, and food?
18. .... goes through cytokinesis?
20. What is an organism that needs other things (food) to give itself energy?
21. Catalase is a .... enzyme?
22. What is the organelle that includes gel and organelles of the entire cell? (fluid)
29. A peroxisome is made from ..... ..?
31. What is the organelle (in prokaryotes) that contains a large loop of DNA in the cytoplasm?