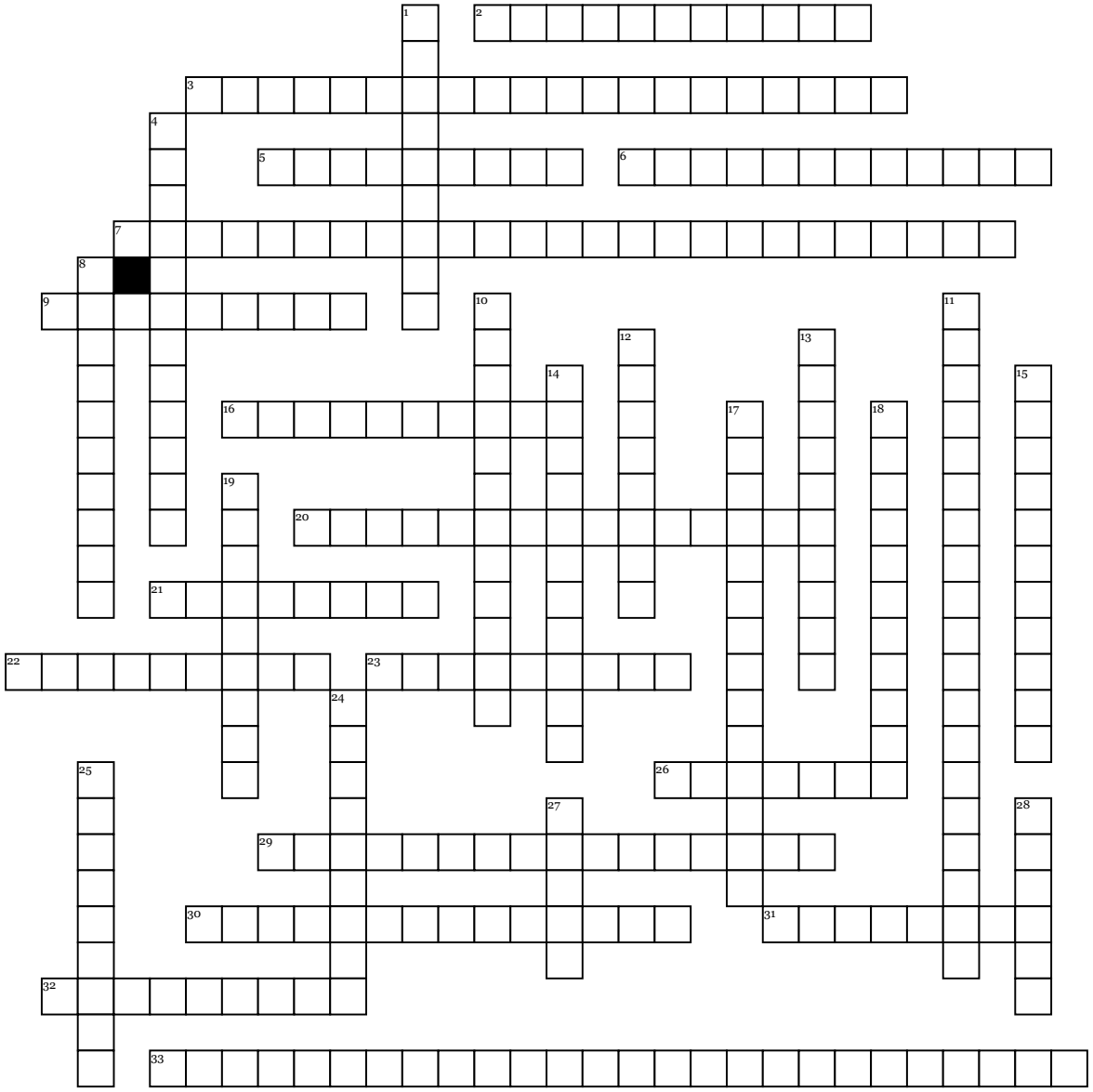
Name: _____ Date: _____

Cell and Cell Transport Review



Across

2. The scientist who first saw "cells" under a microscope in cork

3. A type of diffusion that requires a protein to help molecules across the membrane down the concentration gradient

5. If a cell is placed in this solution, there is more water outside the cell than inside

6. The powerhouse of the cell

7. Has ribosomes attached

9. Contains digestive enzymes

16. Lacks a nucleus

20. Transport against the concentration gradient with the input of ATP energy

21. Rigid structure found outside the cells of plants and fungi

22. A cell with a nucleus

23. The site of protein synthesis

26. Control center of the cell

29. A type of transport in which no energy is needed

30. Modify, sort, and package proteins

31. Storage area in the cell

32. The spreading out of molecules from an area of high concentration to an area of lower concentration

33. Involved in the production of lipids to be used in the cell membrane

Down

1. Can make its own food

4. The site of photosynthesis

8. If a cell is placed in this type of solution, there is more water on the inside of the cell than on the outside

10. The support system of the cell

11. Found in plant cells - fills with water

12. A type of solution in which the amount of water is the same on both sides of the membrane

13. Releasing large materials from the cell

14. Cannot make its own food

15. The concentration is equal on both sides of the membrane

17. Said that cells could only arise from preexisting cells

18. The process of taking material into the cell by infoldings, or pockets, of the cell membrane

19. Where ribosomes are madd

24. Taking in food and water

25. Breaking down food into small molecules that can be used by the cell

27. A group of several tissues working together

28. A group of similar cells working together