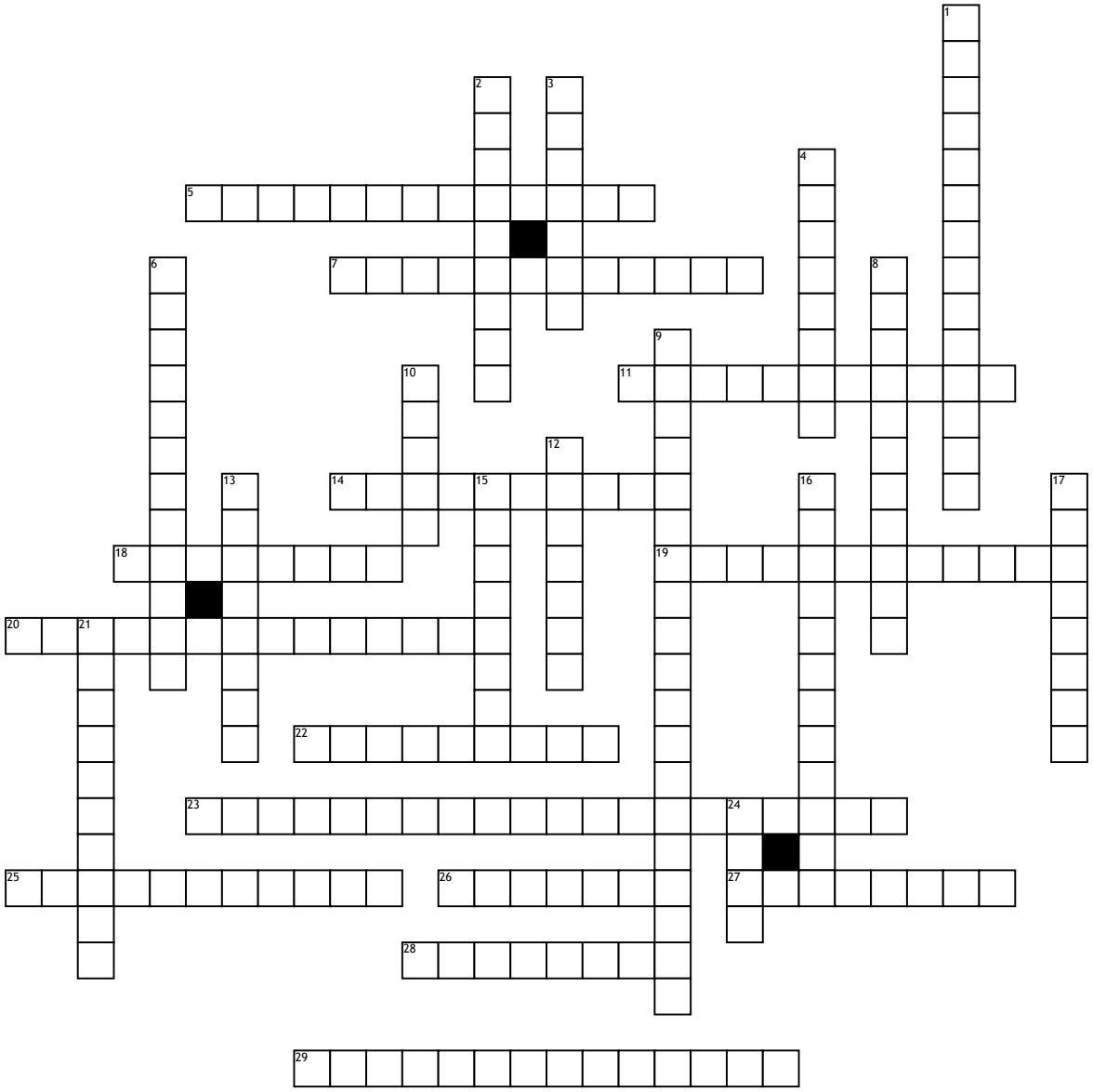
Name: _____ Date: _____ Period: _____

Cell Structure



Across

5. Having or consisting of many cells.

7. Spiral strands of protein molecules, forming a tube-like structure that maintain the shape of the cell and serve as tracks for organelles to move along within the cell.

11. Having or consisting of a single cell.

14. organisms who have a membrane-bound nucleus and membrane-bound organelles

18. A thin membrane around the cytoplasm of a cell

19. The organelle in which nutrients are converted into energy.

20. Fine, threadlike proteins found in the cell's cytoskeleton.

22. A tiny cell structure that carries out a specific function within the cell

23. Internal membrane system in cells in which lipid components of the cell membrane are assembled and some proteins are modified or constructed.

25. organisms whose cells lack a membrane-bound nucleus

26. Organelle that stores water and nutrients for the cell; very large in plant cells.

27. A small round cell structure that contains chemicals that break down large food particles into smaller ones.

28. synthesizes lipid productions such as phospholipids and steroids which are released in vesicles

29. Fine, threadlike proteins found in the cell's cytoskeleton.

Down

1. A system of membranes that modifies and packages proteins for export by the cell.

2. The organelle where ribosomes are made, both synthesized and partially assembled; located in the nucleus.

3. A part of the cell containing DNA and RNA and responsible for growth and reproduction

4. Whip-like tails found in one-celled organisms to aid in movement; core is made of microtubules.

6. maintains cell shape, allows cell and organelles to move

8. Who was the first to view structures with a light microscope?

9. prokaryotes engulfed by larger cells which become eukaryotes cells with prokaryotes becoming chloroplasts and mitochondria inside

10. Who was the first to use the term "cell?"

12. an membrane system covered with ribosomes where many proteins for transport are assembled.

13. Who stated that all plants have cells?

15. Small particle in the cell on which proteins are assembled; made of RNA and protein.

16. Spiral strands of protein molecules, forming a tube-like structure that maintain the shape of the cell and serve as tracks for organelles to move along within the cell.

17. A family of closely related plant organelles (includes chloroplasts).

21. The theory that cells form the fundamental structural and functional units of all living organisms

24. The basic structural and functional unit of all organisms