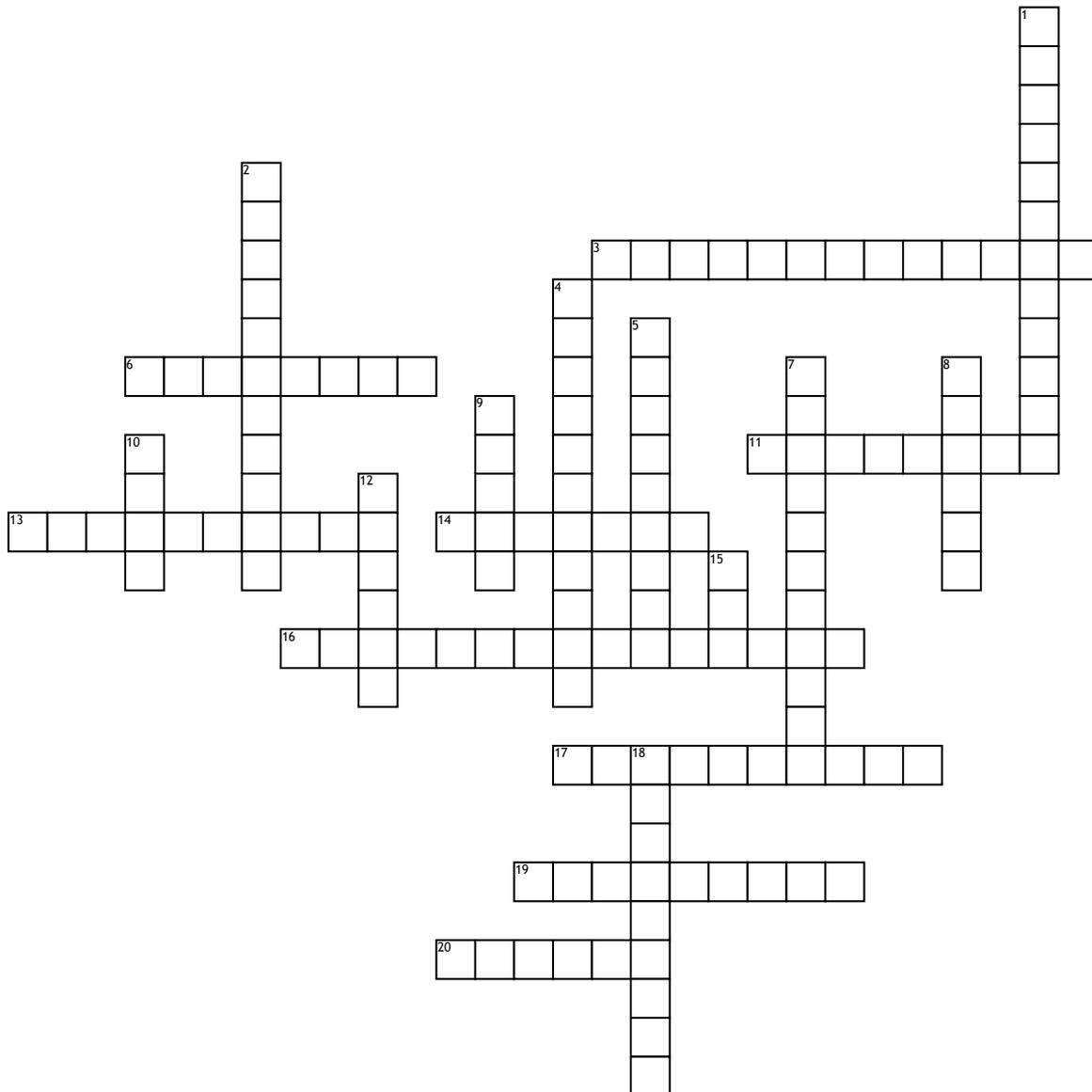


Chapter 1: Cell Structure



Across

3. Number of times larger an image is than the actual size of the object

6. The study of microscope design and preparing material for examination

11. For locomotion; very simple structure in bacterium

13. all living things are composed of cells, all cells come from other cells, and cells are the basic unit of life

14. Additional protection on a general bacterium

16. Allows all substances to enter and exit the cell

17. A cell that does not contain a nucleus or any other membrane bound organelles

19. A cell containing a nucleus and other membrane bound organelles

20. A group of similar cells that perform the same function.

Down

1. Organelle in eukaryotes, l. Which aerobic respiration takes place

2. A region in animal cells that holds centrioles

4. A structure made of DNA and histones, found in the nucleus of a eukaryote cell.

5. The contents of a cell, excluding the nucleus

7. The study of cells as an important branch of biology

8. hair like projections of a cell that move in wave like motions

9. group of tissues that work together to perform closely related functions

10. The basic unit of all living organisms

12. group of organs that work together to perform complex body functions

15. A molecule that stores the instructions that control the cell

18. A functionally and structurally distinct part of a cell