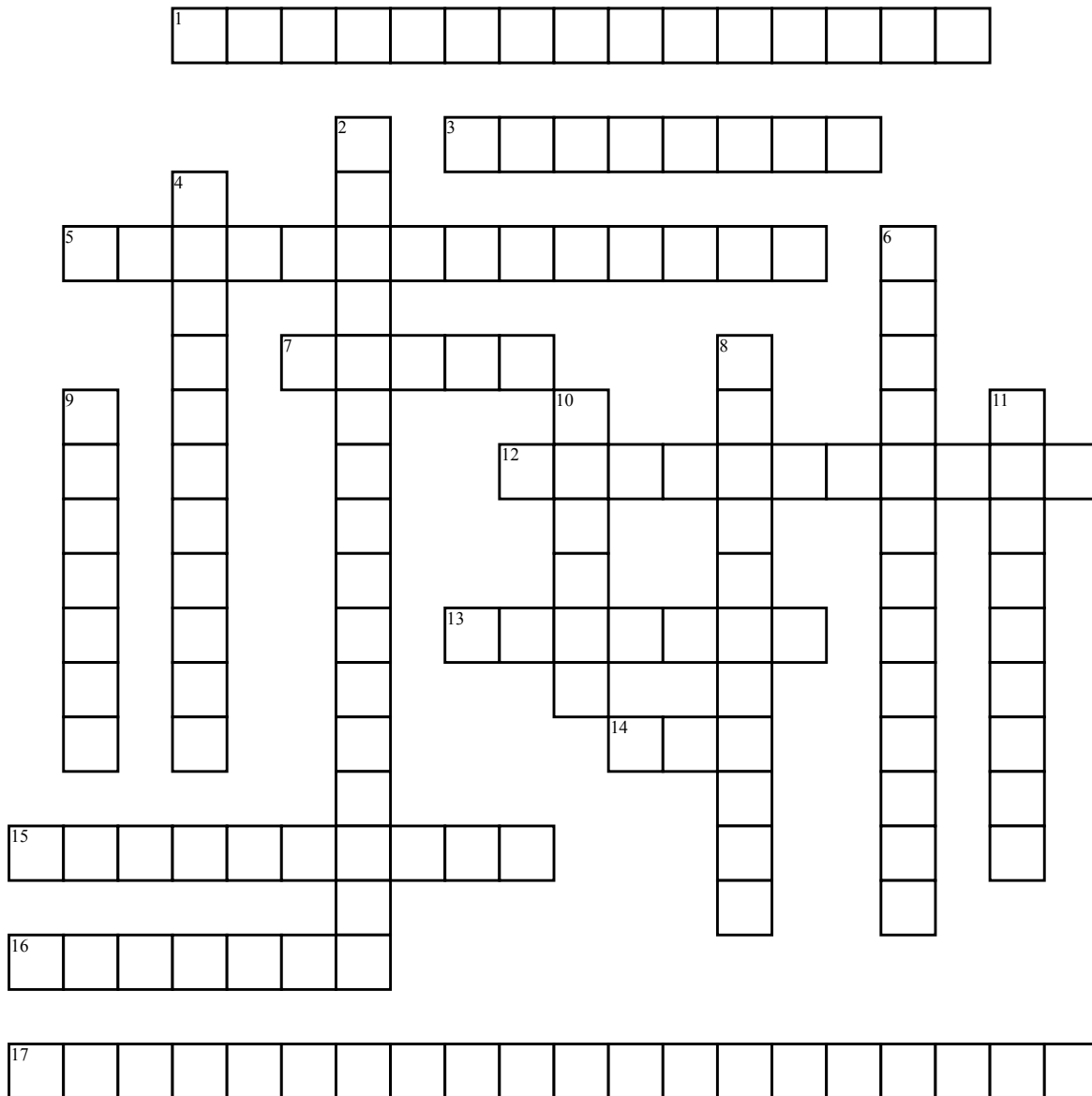


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Science Chapter 3 #1 (Cells)



## Across

1. requires an input of cellular energy across the cell membrane
3. two or more elements combined chemically
5. process by which a cell captures energy in sunlight and uses it to make food
7. compounds that are made mostly of carbon, and hydrogen and some oxygen
12. process in which a cell membrane changes shape and engulfs very large particles
13. the diffusion of water molecules across a selectively permeable membrane

14. genetic material that carries information about an organism

15. process in which a vacuole fuses with a cell membrane forming an opening to the outside
16. Any substance that cannot be broken down into simpler substances
17. cell membrane in which some substances can cross the membrane while others cannot

## Down

2. movement of molecular substances across the cell membrane without the need of energy input

4. forms from many small molecules connected together which make a pattern and sequence that make a chemical code the cell can read
6. energy rich organic compounds made of the elements carbon, hydrogen, and oxygen
8. very large organic molecules
9. large organic molecules made of carbon, hydrogen, oxygen, nitrogen, and sulfur
10. speed up chemical reactions in living things
11. molecules are moving from an area of higher concentration to an area of low concentration