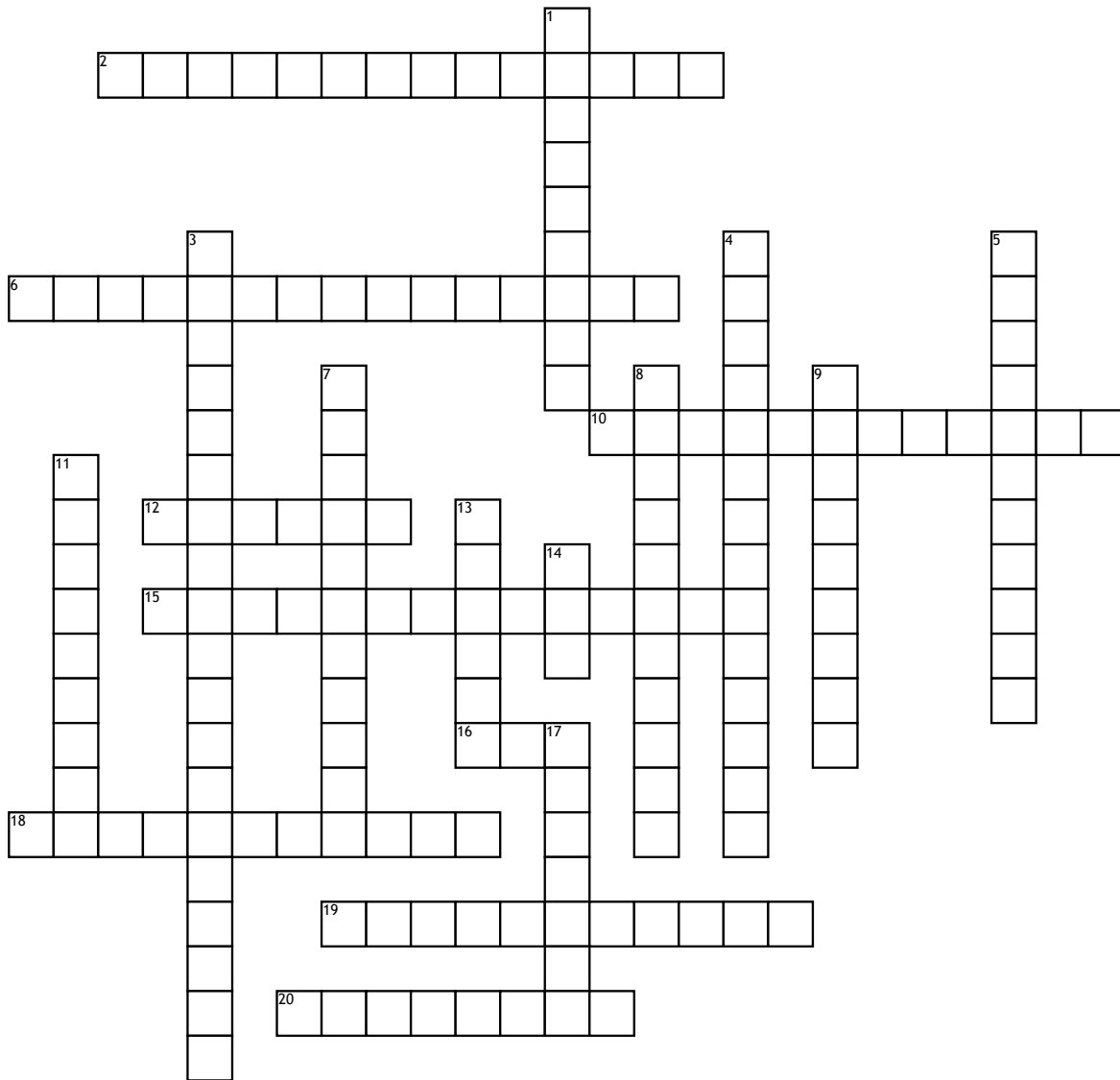


Name: \_\_\_\_\_

# carbohydrates



## Across

2. Energy stored in the bonds of chemical compounds
6. A phosphate linkage present in certain intermediates of carbohydrate metabolism
10. Powerhouse of the cell
12. Forms organic compounds when combined with hydrogen, oxygen, etc
15. The product of the electron transport chain
16. Energy currency of life
18. A plastid that contains chlorophyll and in which photosynthesis takes place
19. Carbohydrates that contain only 1 sugar unit or 2 sugar units.
20. A cellular something that is manufactured by an organelle such as the golgi apparatus

## Down

1. A substance that takes part in and undergoes change during a reaction
3. The chemical process that generates most of the energy in the cell
4. Energy from sunlight is used to carry out chemical reactions. Also produces sugars that plants feed off of.
5. organism that cannot manufacture its own food and instead obtains its food and energy by taking in organic substances, usually plant or animal matter.
7. A green pigment that is present in all green plants
8. How nature moves energy. Makes up about 99% of the body's atoms and cells.
9. A sac-like membrane that contains the chlorophyll in cyanobacteria and in the chloroplasts of plant cells and green algae.
11. an organism that is able to form nutritional organic substances from simple inorganic substances such as carbon dioxide.
13. the matrix of a chloroplast, in which the grana are embedded.
14. An organic compound that is composed of adenosine and two phosphate groups.
17. An organic compound that gives a characteristic color to plant or animal tissues