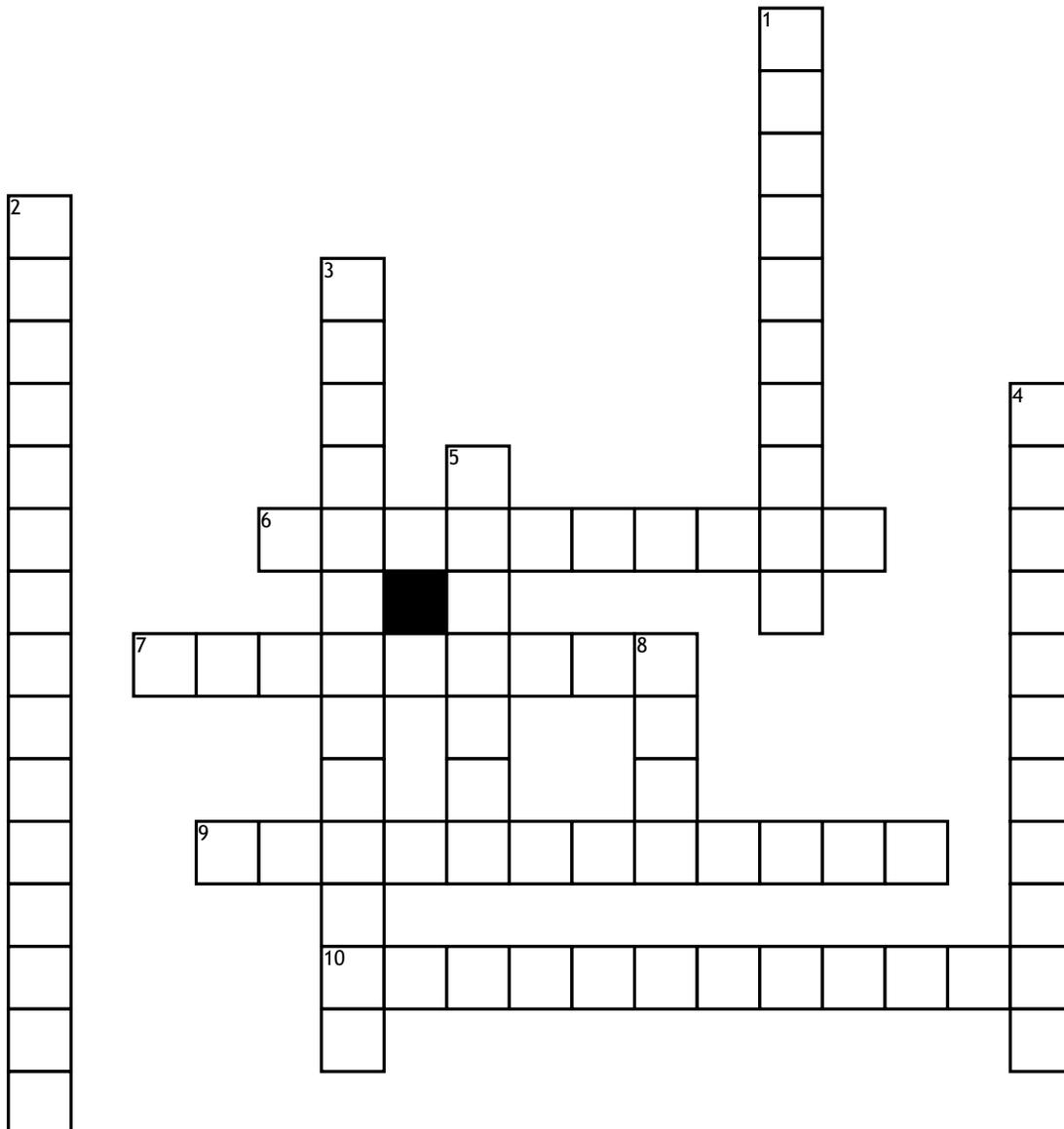


Name: _____

Date: _____

bioenergetics and cell



Across

6. is the reaction is an anabolic chemical reaction that consumes energy?

7. is the reaction is a spontaneous chemical reaction that releases energy?

9. acts to organize and maintain the cell's shape; anchors organelles in place; helps during endocytosis, the uptake of external materials by a cell, and cytokinesis, the separation of daughter cells after cell division; and moves parts of the cell in processes of growth and mobility?

10. also called plasma membrane

Down

1. Plants, animals, fungi, slime moulds, protozoa, and algae are examples of?

2. is the opposite of glycolysis; when the cell's energy charge is low (the concentration of ADP is higher than that of ATP), the cell must synthesize glucose from carbon- containing biomolecules such as proteins, amino acids, fats, pyruvate, etc.?

3. it is the study of the transformation of energy in living organisms?

4. cells were the first form of life on Earth, characterised by having vital biological processes including cell signaling?

5. is a metabolic process whereby ketone bodies are used by the cell for energy (instead of using glucose)?

8. is the smallest unit of life?