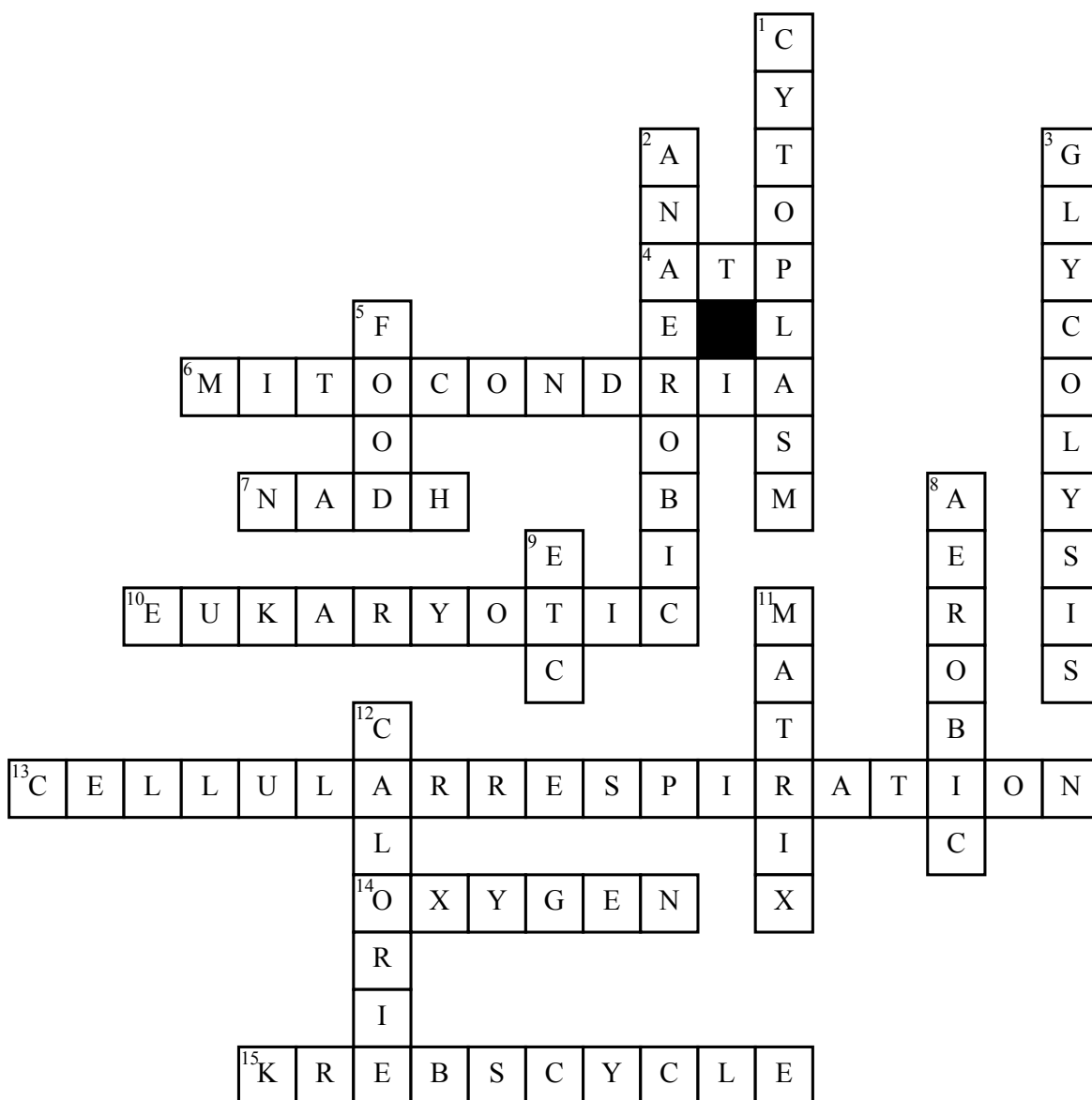


# Cellular Respiration



## Across

4. Main product of cellular respiration
6. Where cell respiration takes place.
7. Referred to as "oven mits"
10. What cells depend on in the electron transport chain.
13. Process that releases energy from food in the presence of oxygen.
14. One of the main reactants of cellular respiration.

15. Second stage in which molecules are broken down into carbon dioxide in a series of energy-extracting reactions.

## Down

1. Where glycolysis takes place.
2. Doesn't require oxygen to occur.
3. First set of reactions in cellular respiration in which a molecule of glucose is broken into two molecules for a net gain of 2 ATP.

5. What form of energy is released from cellular respiration.
8. Requires energy to occur.
9. The high energy molecules from the krebs cycle are used to create a high concentration of  $H^+$  ions, is used to form ATP synthase.
11. Where the krebs cycle takes place.
12. Unit of measurement. Amount of energy required to raise 1g of water  $1^\circ C$