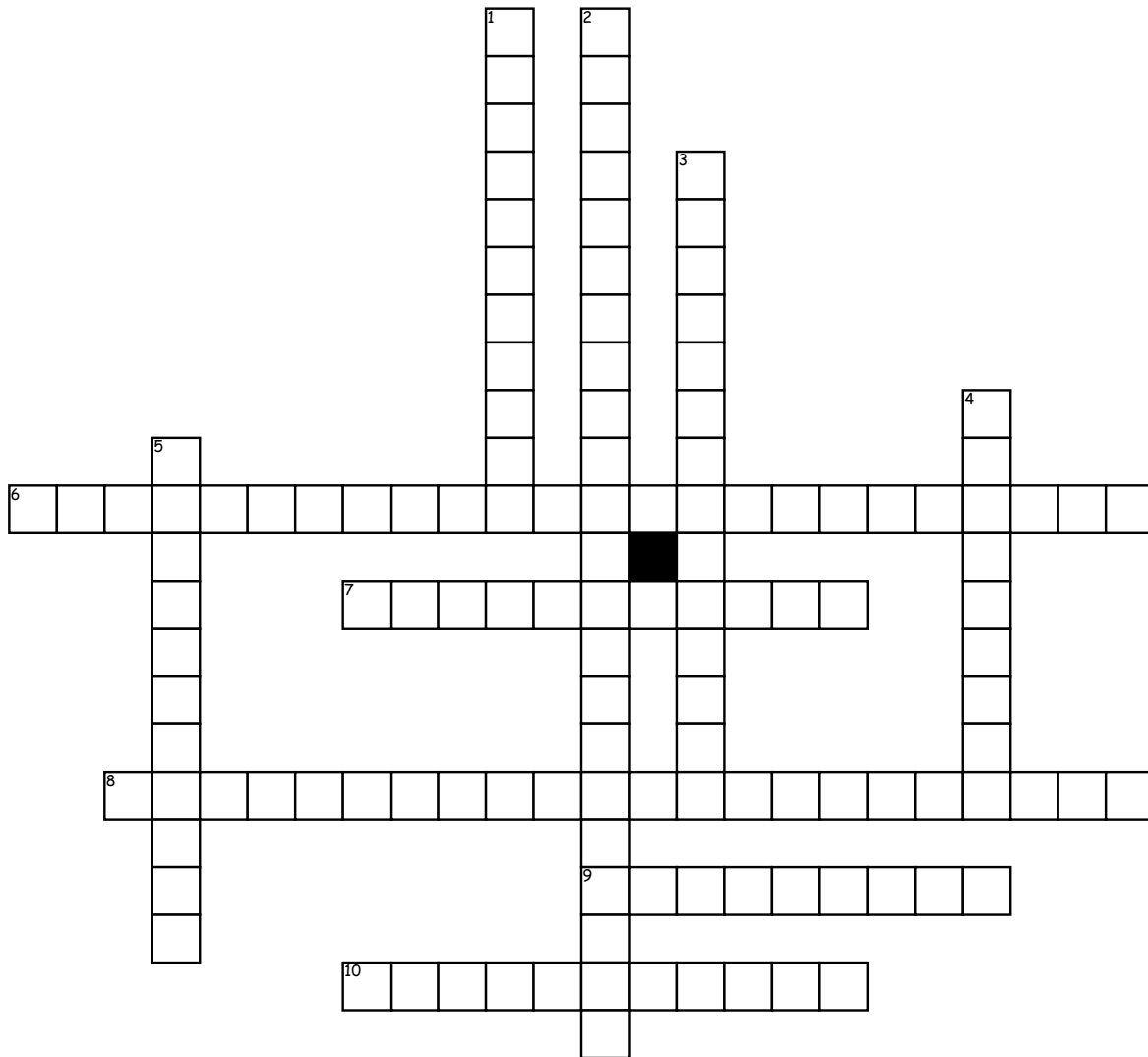


Name: _____

Date: _____

Photosynthesis



Across

6. part of photosynthesis that uses energy absorbed to synthesize carbohydrates
7. enzyme that catalyzes the reaction that adds a high-energy phosphate group to ADP to form ATP
8. series of proteins in the thylakoid and mitochondrial membrane that did in converting ADP to ATP by transferring electrons
9. membrane-bound structure within chloroplast that contains chlorophyll and other light absorbing pigments used in the light-dependent reactions of photosynthesis
10. light-absorbing pigment molecule in photosynthetic organisms

Down

1. enzyme catalyzed dark reactions of photosynthesis that occurs in the chloroplast of plants
2. absorbs energy from sunlight and transfers energy to the light independent reactions.
3. process by which light energy is converted to chemical energy
4. can make its own food using sunlight or chemical energy
5. organelle with numerous membranes used to convert solar energy into chemical energy