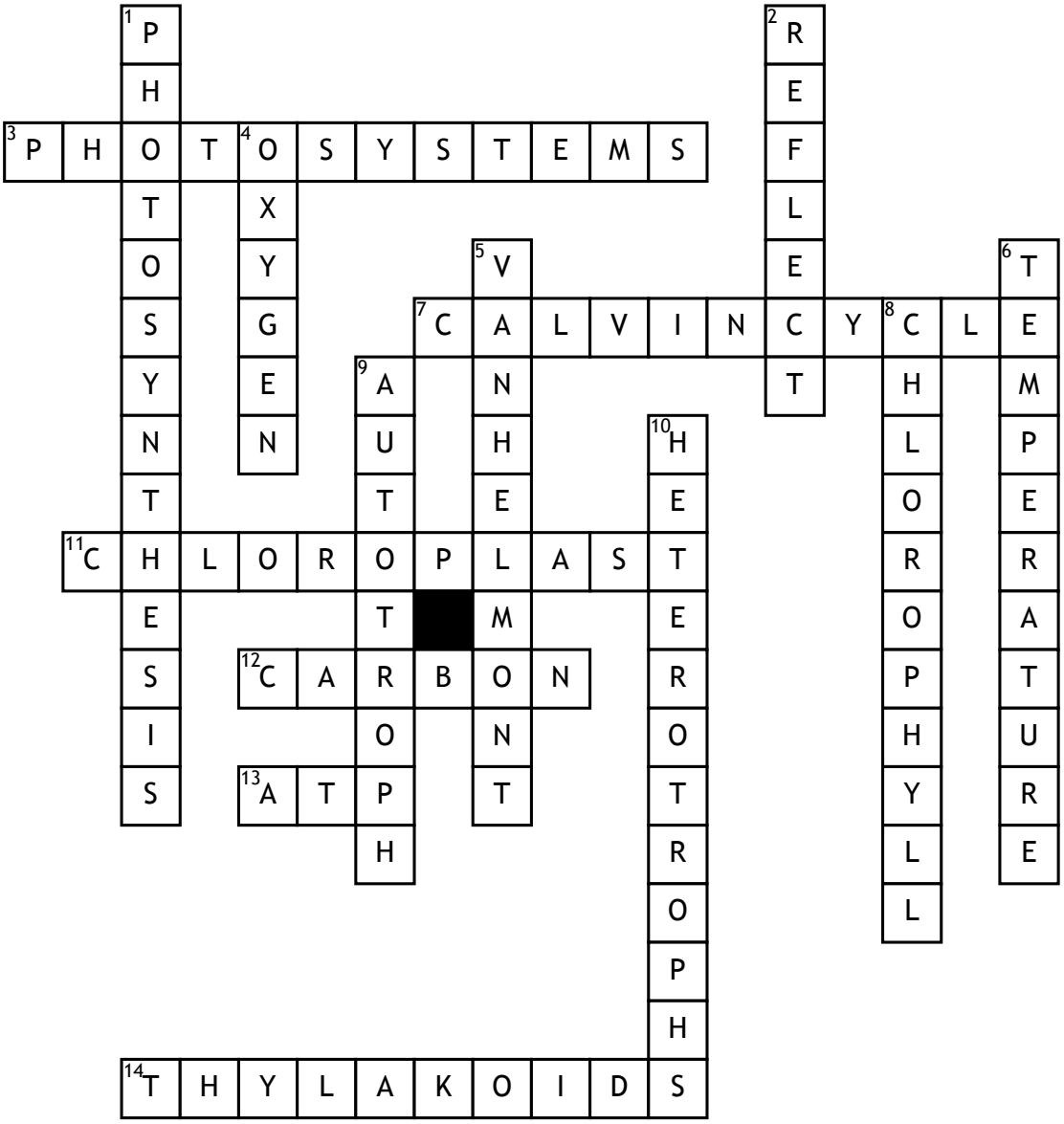
Name: _____ Date: _____

Photosynthesis



Across

3. Proteins in the thylakoid membrane that are the "light collecting" units of the chloroplast

7. This cycle uses ATP and NADPH to produce high energy sugars. I takes place in the stroma and doesn't require light

11. The location inside a plant cell where photosynthesis takes place

12. Where does a plants increase in mass come from?

13. Principal chemical compound that cells use to store and release energy

14. saclike photosynthetic membranes inside the chloroplasts that are arranged in stacks known as grana

Down

1. The process plants use the energy of sunlight to convert H_2O and CO_2 into carbohydrates and Oxygen

2. The leaves of most plants appear green because they _____ green light

4. What is the waste product from photosynthesis that all other animals can't exist without?

5. Scientist who devised an experiment to find out if plants grew by taking material out of the soil

6. One factor that affects photosynthesis is _____.

8. Light absorbing pigment found in plants

9. organisms which make their own food

10. Organisms that obtain energy from the food they consume