

**Date:** \_\_\_\_\_

**WORKSHEET 5-78**

## Photosynthesis: Around the Square

Using the clues and answers provided, fill in the squares with the appropriate answers beginning with number 1 at the lower left and proceeding clockwise. (Selected numbers around the square are provided as a guide.)

© 1993 by The Center for Applied Research in Education

**Clues:**

1. Cellular \_\_\_\_\_ could not occur without photosynthesis.
2. This substance can trap light energy and convert it to chemical energy.
3. The two categories of reactions that occur during photosynthesis (two terms in answer)
4. The two main reactants used in photosynthesis (two terms in answer)
5. The two main products of photosynthesis (two terms in answer)
6. Chloroplasts have several of these membrane structures arranged in stacks.
7. In leaves, the spongy layer, along with this layer, carries out photosynthesis.
8. Chlorophyll absorbs heavily these two colors in the spectrum. (two terms in answer)
9. The form in which plants store the sugar produced by photosynthesis
10. This category of organisms carries out photosynthesis.

**Terms:**

chlorophyll	starch	respiration	producers	light
oxygen	green	grana	dark	water
glucose	palisade	violet	red	bacteria
carbon dioxide	yellow	protozoans	crista	sucrose

P  
A  
L  
I  
S  
A  
D  
E