

COLOR BY NUMBER

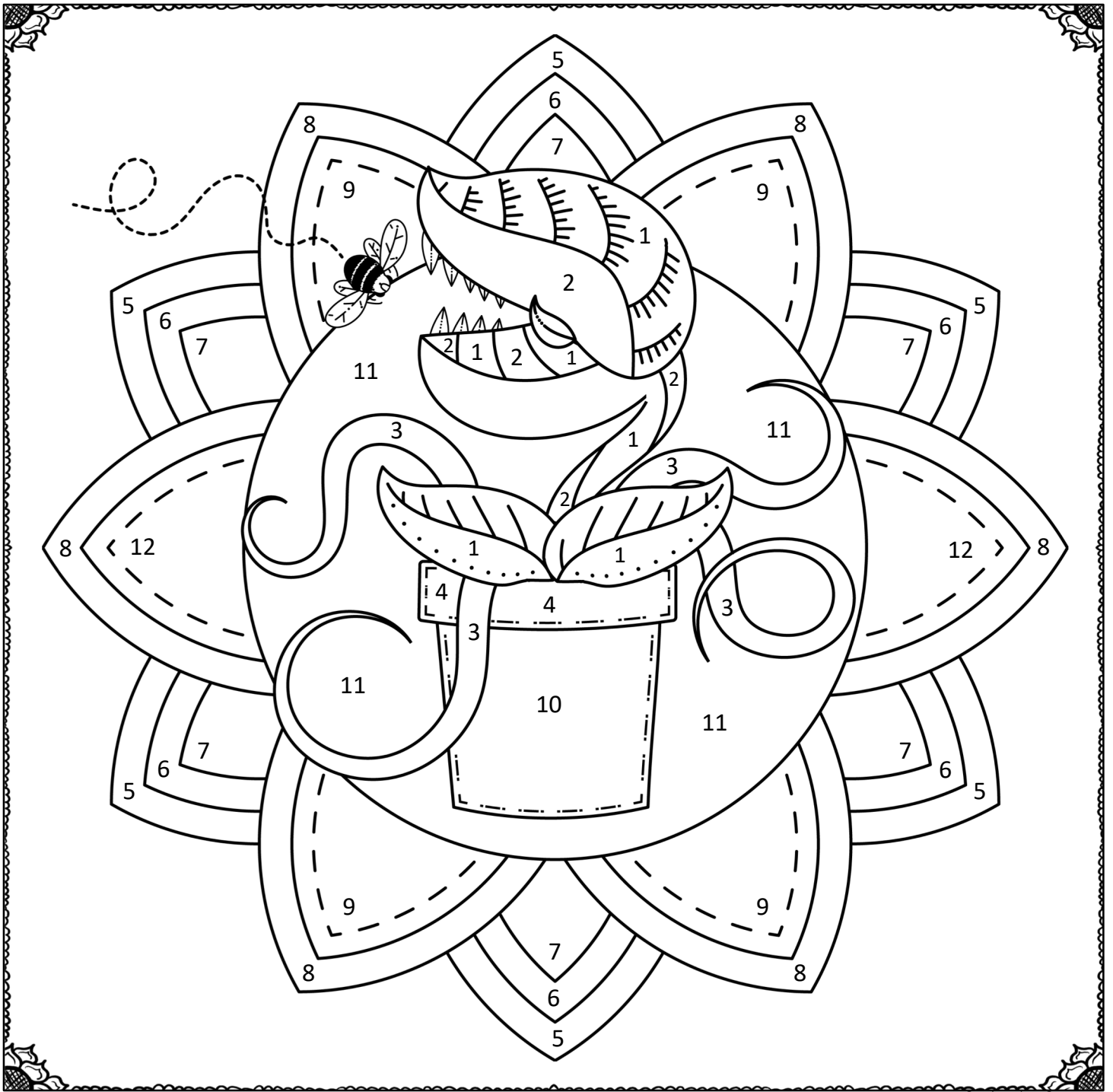
Name: _____

PHOTOSYNTHESIS

Date: _____ Per: _____

Directions: Answer each question by circling the correct choice. After you have finished all questions, color the picture on the back using the corresponding color choice. You may choose any color you want for any parts of the picture that are not assigned a color.

Question	Choice A	Choice B	Choice C
1. The process by which cells capture energy from the sun and convert it into food is called...	cellular respiration [yellow]	photosynthesis [green]	diffusion [light green]
2. Plants use water, carbon dioxide, and sunlight to produce oxygen, water, and...	nitrogen [yellow]	chlorophyll [dark green]	glucose [light green]
3. In which cell organelle does photosynthesis occur?	chloroplast [dark green]	nucleus [light green]	mitochondria [green]
4. A plants green color comes from a pigment called...	chlorophyll [orange]	carotene [brown]	anthocyanin [pink]
5. What is the source of energy for photosynthesis?	soil [pink]	sunlight [dark purple]	glucose [red]
6. The tiny openings on the underside of a leaf that help plants take in CO ₂ are called...	thylakoid membranes [red]	chloroplasts [pink]	stomata [purple]
7. What structure contains the chlorophyll that is used to absorb light?	chloroplast [orange]	thylakoid [light purple]	stroma [pink]
8. Which of the following is <u>not</u> required for photosynthesis to take place?	sunlight [blue]	water [orange]	oxygen [red]
9. What happens to the sugar that plants make during photosynthesis?	it is stored as starch for later use [light red]	it evaporates through the stomata [purple]	it returns to the soil [blue]
10. The source of oxygen produced during photosynthesis is...	glucose [black]	water [orange]	sunlight [brown]
11. Which of the following statements is <u>false</u> ?	Photosynthesis takes place in autotrophs. [brown]	Oxygen is a product of photosynthesis. [black]	Photosynthesis takes place in the nucleus of plant cells. [blue]
12. Which of the following statements is <u>true</u> ?	Photosynthesis takes place primarily in plant leaves. [light red]	Plants obtain their "food" from the soil. [red]	Photosynthesis occurs only in plants. [purple]



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"By blending water and minerals from below with sunlight and CO_2 from above, green plants link the earth to the sky. We tend to believe that plants grow out of the soil, but in fact most of their substance comes from the air."

- Fritjof Capra -

