The Amazing Plant Cell Factory: Chloroplasts and Photosynthesis

Name: _____ Date: _____

Vocabulary Words: Match the definition to each word.

The tiny "factories" inside plant cells are called _____.
Plants take in carbon dioxide from the _____ and water from the _____.
Chloroplasts use photosynthesis to make _____ for the plant.
As a waste product, chloroplasts release _____, which humans and animals need to breathe.
The green color of leaves is caused by _____.

Word Bank: water, sugars, chlorophyll, oxygen, chloroplasts, air

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Multiple Choice: Choose the correct answer from the choices for each question.

1. Which gas do plants take in to help with photosynthesis?
    a) Oxygen
    b) Nitrogen
    c) Carbon dioxide
    d) Hydrogen
2. What is released by plants during photosynthesis that is important for humans?
    a) Food
    b) Water
    c) Oxygen
    d) Carbon dioxide
3. What makes leaves and grass look green?
    a) Sunlight
    b) Chlorophyll
    c) Water
    d) Sugar
4. Why does every living thing on Earth depend on photosynthesis?
    a) It makes soil richer
    b) It produces oxygen and food
    c) It creates rain
    d) It helps animals run faster

Discussion & Reflection: Answer the following questions in complete sentences

1. Describe what would happen if plants stopped making oxygen.

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_____

_____

_____

2. Why do you think scientists call chloroplasts "factories" inside plant cells? _____

_____

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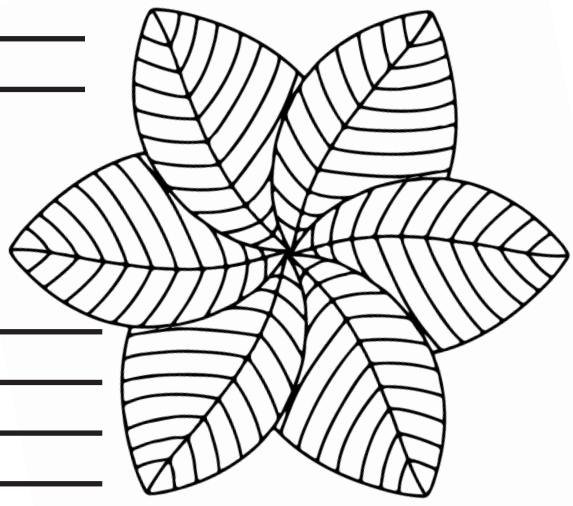
3. This shows me that God is (Circle the word):

Wise Powerful Caring Creative All of the above

Explain your choice:

_____

_____

_____

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