The Shocking Way God Feeds the Soil

Name: ANSWER KEY Date: _____

Vocabulary Words: Match the definition to each word.

1. Lightning is a form of electricity that flashes from the sky to the ground.
2. Plants need nitrogen as a nutrient to help them build their cells.
3. Static electricity can be seen inside a plasma globe when you touch it.
4. Plants cannot use nitrogen directly from the air.
5. When lightning strikes, it creates nitrogen oxide that goes into the soil.

luciferase

Word bank: plasma, nitrogen oxide, electricity, air, nitrogen

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

1. What is lightning made of?
   - A. Wind
   - B. Static electricity
   - C. Water
   - D. Sound

2. What nutrient do plants get from the soil because of lightning?
   - A. Oxygen
   - B. Carbon
   - C. Nitrogen
   - D. Hydrogen

3. How much nitrogen oxide does lightning create worldwide each year?
   - A. 1,000 tons
   - B. 10,000 tons
   - C. 1 million tons
   - D. 100 million tons

4. Why can't plants use nitrogen directly from the air?
   - A. It's too heavy
   - B. It's not in the right form
   - C. It's too wet
   - D. It's too bright

Discussion & Reflection: Answer the following questions in complete sentences

1. Explain how lightning helps plants get the nutrients they need.

Lightning helps plants get nutrients by creating nitrogen oxide, which turns into a form of nitrogen in the soil that plants can use to grow.

2. Why is nitrogen important for plant growth?

Nitrogen is important for plant growth because it is a nutrient that helps build the structures of plant cells and allows plants to grow strong and healthy.

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

Wise Powerful Caring Creative All of the above

Explain your choice: