Deciduous Leaf Loss - Understanding Fall Colors

Name: ANSWER KEY Date: _____

Vocabulary Words: Match the definition to each word.

1. Deciduous — 3. The process by which plants use sunlight to change water and carbon dioxide into food for itself.
2. Chlorophyll — 4. Anything that is used to or serves to provide color.
3. Photosynthesis — 1. Having leaves that drop off each year.
4. Pigment — 2. A green natural colo found in many plants which helps make food for the plant

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

1. What causes the green color in leaves?
   a) Water
   b) Chlorophyll
   c) Sugar
   d) Oxygen

2. Why do leaves change color in the fall?
   a) Because of more sunlight
   b) Because chlorophyll disappears
   c) Because the tree grows new leaves
   d) Because the weather gets cold

3. Which color appears when yellow and sugars mix in the leaf?
   a) Blue
   b) Red
   c) Orange
   d) Brown

4. What happens to the flow of water into the leaves in autumn?
   a) It increases
   b) It stays the same
   c) It stops
   d) It turns into sugar

Discussion & Reflection: Answer the following questions in complete sentences

1. Why is it important for deciduous trees to lose their leaves in the fall?

It is important for deciduous trees to lose their leaves in the fall so they can save water and energy during the cold winter months when it is harder to get what they need.

2. How do fall leaves show that God cares about beauty as well as function?

Color change happens for a practical reason, yet God designed it to be beautiful at the same time.

4. One thing you love about fall is:

_____

_____

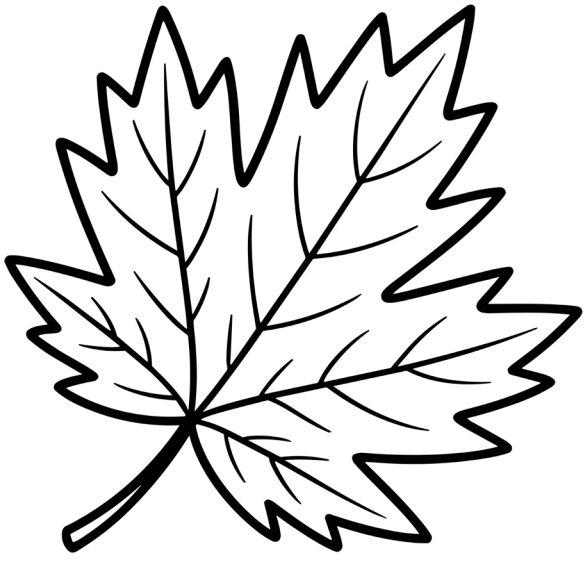
_____

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

Wise Powerful Caring Creative All of the above

Explain your choice:

_____

_____

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