

Diagnostic Assessment for Fun Photosynthesis



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Fun Photosynthesis
Diagnostic Assessment

Type of Assessment:

Constructed Response, Selected Response

Duration:

20 minutes

Standard (s) Assessed:

SC.G.1.2.4, SC.G.1.2.5, SC.B.1.2.1.4.1, SC.B.1.2.1.4.2

Description of Assessment Activity:

This assessment includes True/False statements. Students are asked to select True or False. Then, they must correct false answers.

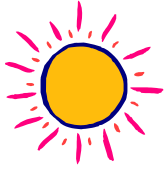
Teacher Directions:

Tell students that you need some information from them because you are planning a new unit and you need to know what they already know so you can adjust your plans. Pass out the assessment. Read and discuss all directions. Answer any student questions about directions. Emphasize that the purpose of this diagnostic assessment is for you to find out what the students already know and that no grade will be given. After the assessments have been evaluated, keep them in a safe place for future use as noted in the lesson plan that accompanies this unit.

Student Directions:

Listen while I read the directions to you. Ask any questions about the directions. Complete the assessment to the best of your ability, and turn it in to me when completed. Remember that the purpose of the assessment is to find out what you already know, not to give a grade, so if you do not know an answer, skip to the next question.

Scoring Method and Criteria: Suggested points per question- 10. Partial credit may be awarded for students who capture mostly correct information.



PHOTOSYNTHESIS AND THE FLOW OF ENERGY



For questions 1-9, write **True** or **False** next to each statement.
Then, correct false statements.
For #10, follow the directions.

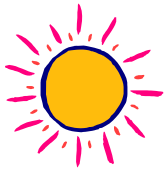
1. Only worms use energy from the sun to live and grow.
2. Animals eat plants or other animals to get the energy they need to survive.
3. Decomposers turn plants and animals into simple minerals and nutrients.
4. Plants use the moon's energy to make their own food.
5. Decomposers recycle aluminum cans.
6. Photosynthesis is the process in which living things use the sun's energy to live and grow.
7. Animals and humans eat sunshine.
8. Bacteria, leaves and plants are all decomposers.
9. Animal droppings, while gross to us, can serve as sources of food to many living organisms.
10. Draw a diagram showing the direction of recycled energy using the key words from below.

Plant

Earthworm

Robin

Sun



PHOTOSYNTHESIS AND THE FLOW OF ENERGY

Answer Key

(Answers are suggested. Use teacher discretion.)



1. Only worms use energy from the sun to live and grow.
False- Most living things use energy from the sun to live and grow.
2. Animals eat plants or other animals to get the energy they need to survive.
True
3. Decomposers turn plants and animals into simple minerals and nutrients.
True
4. Plants use the moon's energy to make their own food.
False- Plants use the sun's energy to make their own food.
5. Decomposers recycle aluminum cans.
False- Decomposers recycle matter.
6. Photosynthesis is the process in which living things use the sun's energy to live and grow.
True
7. Animals and humans eat sunshine.
False- Animals and humans eat plants and/or animals.
8. Bacteria, leaves and plants are all decomposers.
False- Only bacteria are decomposers.
9. Animal droppings, while gross to us, can serve as sources of food to many living organisms.
True
10. Draw a diagram showing the direction of recycled energy using the key words from below.

