

Worksheet

1. Write the chemical reaction for photosynthesis in both formulas and words.



Carbon dioxide + water + energy \rightarrow glucose + oxygen

2. Explain the difference between an autotroph and a heterotroph.

auto - makes food from sunlight

hetero - eats to get energy

3. Examine the sample food web in your notes and answer each of the following questions.

- a) Identify all the producers.

Fungi, grass, shrub, tree

- b) Identify two organisms at the third trophic level.

shrew, insect-eating bird

- c) Identify two organisms that eat snakes.

hawk, mountain lion

- d) State the trophic level of the mountain lion.

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- e) Identify one secondary consumer.

shrew or insect-eating bird

- f) Identify a food chain with 5 levels from within the food web.

grass \rightarrow grasshopper \rightarrow shrew \rightarrow snake \rightarrow hawk