

Comprehension Assessment: Name _____

In the space below record all new understandings about photosynthesis and how it is regulated that you acquired during this last week's activities relating to photosynthesis. You may use pictures, diagrams and words.

[illegible]

Think back to the images of the dry plant that wilted when it was sprayed with water that you saw on the first day of school. Based on what you have learned about the system of stomata, why do you think this happened.

[illegible]

Look at the state's assessment guidelines. What else do you feel you still need to know about photosynthesis to be successful on the EOC? Make a list on the next page of things you still need to learn.

Items may ask students to:

9-11 LS1A

Matter and Energy in Photosynthesis

(1) Identify inputs and/or outputs of matter and/or energy in photosynthesis using words and/or chemical formulas.

(2) Describe the rearrangement of atoms during photosynthesis using the chemical equation for photosynthesis.

(3) Explain the role of photosynthesis in the life of plants).

(4) Explain the role of photosynthesis in the life of animal).

9-11 LS2A

Transfers and Cycles of Matter and Energy

(1) Describe the cycle of carbon through ecosystems (e.g., carbon dioxide in air becomes large carbon-containing molecules in the tissues of plants through photosynthesis, these molecules can be cycled to animals that consume the plants, then returned as carbon dioxide to the atmosphere through cellular respiration, combustion, and decomposition)

(4) Describe the transfers and transformations of matter and/or energy in an ecosystem (e.g., sunlight transforms to chemical energy during photosynthesis, chemical energy and matter are transferred when animals eat plants or other animals, carbon dioxide produced by animals by respiration is used by plants and transformed to glucose during photosynthesis).

9-11 LS2C

Limiting Factors

(1) Describe factors that can limit growth of plant

Make a list of things you still need to learn about photosynthesis based on the standards listed on the

[illegible]