

Name: _____

Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet

Photosynthesis

Directions: Identify what is being described in each statements. Write the answer on the space provided before each number.

- _____ 1. It is a pancake-like structure inside the chloroplasts.
- _____ 2. These are groups of granum known as stacks of thylakoid structures (coin-shaped) and are surrounded by stroma.
- _____ 3. It is a green pigment that can absorb light at different wavelengths. It can be found in the chloroplast.
- _____ 4. These cells have an irregular shape and are packed loosely, giving them more space for gas exchange during photosynthesis.
- _____ 5. It protects the upper and lower surfaces of the leaf. It secretes a waxy cuticle, which prevents the evaporation of water from the leaf tissue.
- _____ 6. These are found on the top part of a leaf exposed to the light beneath the upper epidermis.
- _____ 7. It is an organelle that can be found in the cells of the mesophyll and contains the green pigment called chlorophyll.
- _____ 8. It is a colorless fluid within the inner membrane of the chloroplast that is rich in protein and contains enzymes that incorporate carbon dioxide into sugars.
- _____ 9. It regulates the passage of materials in and out of the chloroplast. It surrounds the stroma and grana.
- _____ 10. It is the first stage of photosynthesis that takes place in the thylakoid membranes within the chloroplast.