

Match the definition with the correct vocabulary word.

- A plant process that transforms sunlight into chemical energy in food. **Photosynthesis**
  - Process in which liquid water evaporates through plant leaves. **Transpiration**
  - An organelle in which photosynthesis occurs. **Chloroplast**
  - The most important pigment in chloroplast. **Chlorophyll**
  - Membranes in chloroplast that look like flat sacks. **Grana**
  - Vascular tissue that conducts sugar in plants. **Phloem**
  - Small openings on the underside of a leaf. **Stomata**
  - Plants without vascular tissues. **Non-Vascular Plants**
  - Vascular tissue that conducts water and minerals in plants. **Xylem**
  - Specialized tissues that transport materials throughout the plant. **Vascular Plant**
- Phloem
  - Chlorophyll
  - Grana
  - Chloroplast
  - Photosynthesis
  - Non-Vascular Plants
  - Vascular Plant
  - Xylem
  - Transpiration
  - Stomata

1. Tree rings mark each year's new xylem, or wood tissue. (pg. 56).

2. How might a large number of houseplants affect a room?

They will add moisture and oxygen to the air because of photosynthesis. They will use some of the carbon dioxide in the air.

3. Plants need Carbon Dioxide, Water, and sunlight for photosynthesis. (pg. 42)

4. Sugars and oxygen are produced from photosynthesis. (pg. 42)