\*Examples of Vascular and Nonvascular plants

**Vascular**: oak tree, strawberry, honeysuckle, peach tree, venus fly trap, loblolly pine tree

**Nonvascular**: lichen, Spanish moss, moss

\*Two types of Vascular Plants

**Angiosperm**

* A VASCULAR PLANT
* A flowering plant whose seeds are surrounded by fruit.
* Examples: apple tree; orange tree

**Gymnosperm**

* A VASCULAR PLANT
* A plant that produces seeds that are not surrounded by a fruit.
* Examples: pine tree, walnut tree

\*Vocabulary:

**Nonvascular plant** – A plant without transport tubes to carry water and nutrients throughout the plant.

**Vascular plant** – A plant with tubes to carry nutrients and water throughout the plant.

**Xylem** – Vascular tissue that carries water and nutrients from roots to the other parts of a plant.

**Phloem** – Vascular tissue that carries food from leaves to the other parts of a plant.

**Gymnosperm** – A vascular plant that produces seeds that are not surrounded by a fruit.

**Angiosperm** – A flowering plant whose seeds are surrounded by fruit.

**Photosynthesis** – A process by which green plants make their own food by using sunlight and chlorophyll.

**Chlorophyll** – The green substance in plants that works with sunlight to make food for green plants. Chlorophyll is what makes plants look green.

(Picture of plants is missing-doesn’t affect study guide)

Vascular Plants

-Have tubes (veins that run through the leaves) that are found in their roots, stems, and leaves

-The tubes carry water and nutrients to the plant

-Stems allow vascular plants to grow tall because the tubes in them allow nutrients to reach great heights

-Vascular plants include tree, ferns, conifers (plants with cones), and blooming plants (flowers)

(Picture is missing of plants – doesn’t affect study guide)

Nonvascular Plants

-Do not have tubes (no veins)

-water and nutrients are passed along from cell to cell

-These include mosses, lichens, and liverworts

-They grow in damp places.

-They do not get tall. They grow close to the ground.