

Name: _____

Date: _____



Plants and Their Structures

Complete this section during Part One!

1. List the **four** things plants need to stay alive:

- _____
- _____
- _____
- _____

2. True or False:

_____ An **environment** is a place that includes living organisms, but *not* the surrounding physical features.

3. List two functions of **roots**:

- _____
- _____

4. **Leaves** collect three things. Circle all that apply:

- A. carbon dioxide (CO₂)
- B. fertilizer
- C. water
- D. light

5. True or False:

_____ **Stems** connect and support plants and deliver nutrients to where the plant needs it.

6. Cross out the incorrect choice:

Reproduction is when an organism makes more of the same / a different kind

7. True or False:

_____ **Seeds** can only be made by **flowers**, not by **cones**.

8. Circle the correct choice:

Flowers have little structures of their own. The **pistil** is the female / male reproductive structure. The **stamen** is the female / male reproductive structure.

9. Fill in the blank:

Pollination is when male and female reproductive structures interact with one another. This causes the female plant structure to begin forming _____(s) which **germinates** or sprouts into a new plant.

--- Complete this section during Part Two! ---

10. Which important process can plants do that consumers (like humans) **cannot**?

- A. Growing strong body structures
- B. Reproduction
- C. Make their own food by photosynthesis
- D. Go to the grocery store to get their food

11. True or False:

- a. _____ A **stimulus** is something that causes a response in an organism and makes a plant grow in a certain way.
- b. _____ A plant's growth because of a stimulus is called a **tropism**.

12. Fill in the blank:

When plants grow in a certain way because of gravity that is called

_____ -tropism

When plants grow in a certain way because of light that is called

_____ -tropism

When plants grow in a certain way because of touch that is called

_____ -tropism

13. Small Group discussion:

Think of your favorite food to eat, *yum!* Did that food's energy ever come from a plant and photosynthesis at some point? Why or why not?