

4.L.5A.2 Seed Plants Indicator Assessment

Name: _____

1. What is the purpose of the leaves on a plant?

- A. to move and store water in the plant
- B. to take in water and nutrients from the habitat
- C. to protect the seed, as it forms around the seed
- D. to absorb sunlight and produce food for the plant

Characteristic	Plant 1	Plant 2
leaf size	small	big
leaf number	few	many
flower	absent	present

2. Which statement is true for BOTH seedlings and mature plants?

Both seedling and mature plants _____

- A. have roots, stems, and leaves.
- B. can reproduce using flowers.
- C. can pollinate other plants.
- D. are undeveloped plants.

3. Which statement below is true?

- A. A seed sprouts from a seedling.
- B. Mature plants cannot produce seeds.
- C. Seeds need water and warmth to begin to grow.
- D. After pollination, seeds are able to grow without water.

4. Which would MOST likely need to happen for a new plant to grow?

- A. Leaves grow out of a stem.
- B. Insects pollinate a flower.
- C. A petal falls onto the ground.
- D. A seed sprouts into a seedling.

5. In a class activity, students were shown two of the same type of potted, flowering plants and asked to list a few observed characteristics. The table below shows the characteristics listed by the students. Based on the observations, what are the developmental stages of both plants?

- A. Plant 1 is a seedling, and Plant 2 is a mature plant.
- B. Both plants are in the seedling stage.
- C. Plant 1 is a mature plant, and Plant 2 is a seedling.
- D. Both plants are mature plants.