Plant Life Cycles

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A cherry tree flowers in spring, makes cherries in summer, and drops its leaves in fall. In which season do its new seeds form?

   fall spring winter summer

2. In a fern's life cycle, spores grow into young ferns, which become adult ferns. Where do the spores form?

   on the underside of the adult fern's leaves

   in fruit at the tip of each leaf

   inside the fern's flowers

   inside cones on the stem

3. A bean plant and a pine tree both start as seeds. What is one difference in their life cycles?

   the bean makes seeds in pods; the pine makes seeds in cones

   the bean makes spores; the pine makes seeds

   the bean has no seedling stage; the pine does

   the bean makes seeds in cones; the pine makes them in pods

4. Tomato plants grow in a closed greenhouse with no insects. They flower but make very few tomatoes. What is the best explanation?

   the flowers grew too many petals

   the seeds were planted too deep

   the plants got too much sunlight

   no insects carried pollen between flowers

5. Which plant makes new plants from spores instead of seeds?

   bean plant maple tree fern pine tree

6. Burrs stick to an animal's fur. What does this do for the plant?

   helps the plant drink water

   keeps the animal away from the plant

   carries its seeds to new places

   protects the leaves from insects

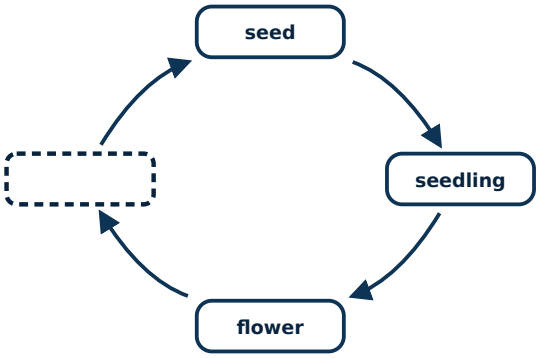
7. A sunflower lives for one season. An oak tree lives for hundreds of years. What do both life cycles share?

- both make new plants from spores
- both grow from seeds and make new seeds
- both stay the same size for life
- both make seeds in their first month

8. Bees disappear from a meadow for several years. What would most likely happen to the number of wildflowers?

- it would go up, because leaves would grow bigger
- it would go down, because fewer seeds form
- it would go up, because more pollen stays in flowers
- it would stay the same, because flowers do not need seeds

9. Look at the strawberry life cycle. The missing stage is where the seeds are found. Which stage is it?



leaf flower fruit root

10. Two bean plants grow side by side. One flowers and makes pods. The other is eaten by a rabbit as a seedling. Which plant can continue its life cycle?

- both plants equally
- the seedling the rabbit ate
- the plant that made pods
- neither plant

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Answer Key - Grade 3 Science Worksheet - Challenge Me

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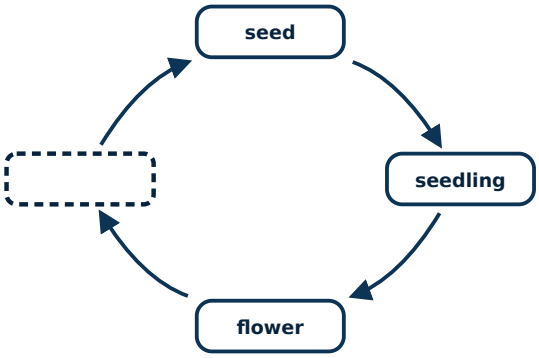
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