Plant Life Cycles

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A bean plant and a pine tree both start as seeds. What is one difference in their life cycles?
   - the bean has no seedling stage; the pine does
   - the bean makes seeds in cones; the pine makes them in pods
   - the bean makes spores; the pine makes seeds
   - the bean makes seeds in pods; the pine makes seeds in cones

2. Tomato plants grow in a closed greenhouse with no insects. They flower but make very few tomatoes. What is the best explanation?
   - the seeds were planted too deep
   - no insects carried pollen between flowers
   - the plants got too much sunlight
   - the flowers grew too many petals

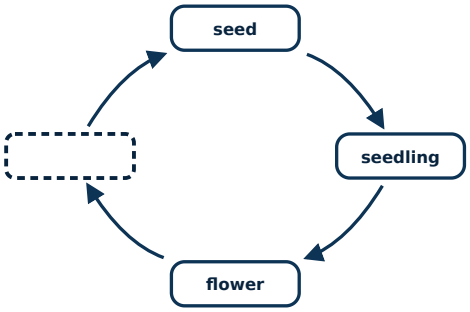
3. Which plant makes new plants from spores instead of seeds?
   bean plant fern maple tree pine tree

4. Burrs stick to an animal's fur. What does this do for the plant?
   - protects the leaves from insects
   - keeps the animal away from the plant
   - carries its seeds to new places
   - helps the plant drink water

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

6. Bees disappear from a meadow for several years. What would most likely happen to the number of wildflowers?
   - it would go up, because more pollen stays in flowers
   - it would go up, because leaves would grow bigger
   - it would go down, because fewer seeds form
   - it would stay the same, because flowers do not need seeds

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



leaf fruit flower root

8. 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?
the plant that made pods
both plants equally
neither plant
the seedling the rabbit ate

9. A child opens a pea pod and finds 6 peas. What are the peas?
fruits that will grow into pods
leaves folded up tight
seeds that could grow into new pea plants
flowers that have not opened

10. Why do many plants make far more seeds than will ever grow?
seeds grow only when many are together
extra seeds turn into leaves later
many seeds land in bad places or get eaten
each plant needs hundreds of seeds to stay alive

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Answer Key - Grade 3 Science Worksheet - Challenge Me

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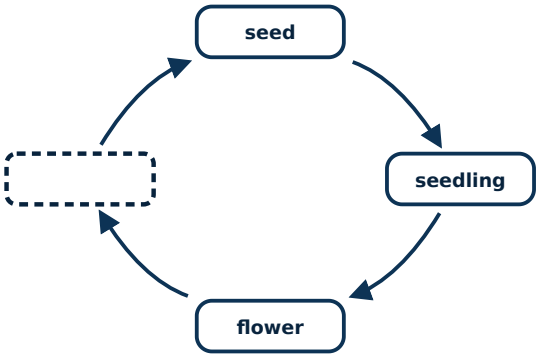
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