Plant Life Cycles

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A child opens a pea pod and finds 6 peas. What are the peas?

   seeds that could grow into new pea plants

   leaves folded up tight

   fruits that will grow into pods

   flowers that have not opened

2. Why do many plants make far more seeds than will ever grow?

   seeds grow only when many are together

   many seeds land in bad places or get eaten

   each plant needs hundreds of seeds to stay alive

   extra seeds turn into leaves later

3. A student says a seedling is the first stage of a plant's life cycle. What is wrong with this idea?

   seedlings grow from flowers

   the fruit is the first stage

   the seedling grows from a seed, which comes first

   the adult plant always comes first

4. Which seed is best suited to travel by wind?

   a seed with sticky hooks

   a seed inside sweet fruit

   a light seed with fluffy hairs

   a heavy seed with a hard shell

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

   summer winter fall spring

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

in fruit at the tip of each leaf

on the underside of the adult fern's leaves

inside cones on the stem

inside the fern's flowers

7. 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 seeds in cones; the pine makes them in pods

the bean makes spores; the pine makes seeds

the bean has no seedling stage; the pine does

8. 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

no insects carried pollen between flowers

the seeds were planted too deep

the plants got too much sunlight

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

maple tree bean plant fern pine tree

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

helps the plant drink water

protects the leaves from insects

carries its seeds to new places

keeps the animal away from the plant

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Answer Key - Grade 3 Science Worksheet - Challenge Me

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