Plant Life Cycles

Grade 3 Science Worksheet - Challenge Me

PencilGo

Name _____ Date _____

Circle the answer.

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

   the adult plant always comes first

   the seedling grows from a seed, which comes first

   the fruit is the first stage

   seedlings grow from flowers

2. 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

3. 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 fall spring winter

4. 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

   inside cones on the stem

   in fruit at the tip of each leaf

   inside the fern's flowers

5. 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

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

- the plants got too much sunlight
- the seeds were planted too deep
- the flowers grew too many petals
- no insects carried pollen between flowers

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

bean plant maple tree pine tree fern

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

- carries its seeds to new places
- protects the leaves from insects
- helps the plant drink water
- keeps the animal away from the plant

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

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

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

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Plant Life Cycles

Answer Key - Grade 3 Science Worksheet - Challenge Me

Circle the answer.

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

   the adult plant always comes first

   the seedling grows from a seed, which comes first

   the fruit is the first stage

   seedlings grow from flowers

2. 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

3. 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 fall spring winter

4. 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

   inside cones on the stem

   in fruit at the tip of each leaf

   inside the fern's flowers

5. 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

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

the plants got too much sunlight

the seeds were planted too deep

the flowers grew too many petals

no insects carried pollen between flowers

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

bean plant maple tree pine tree fern

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

carries its seeds to new places

protects the leaves from insects

helps the plant drink water

keeps the animal away from the plant

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

both grow from seeds and make new seeds

both make new plants from spores

both stay the same size for life

both make seeds in their first month

10. 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 stay the same, because flowers do not need seeds

it would go down, because fewer seeds form

it would go up, because more pollen stays in flowers