SCIENCE

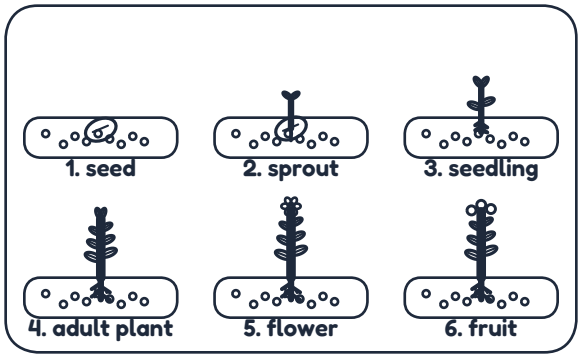
Plant life cycle

Name _____ Date _____

I can put the stages of a plant's life in order.

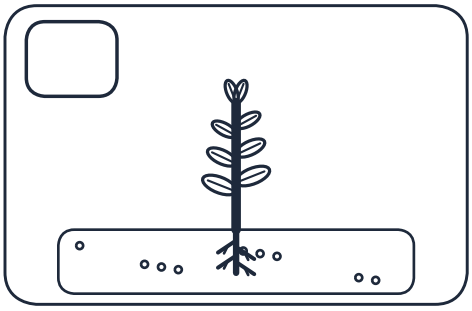
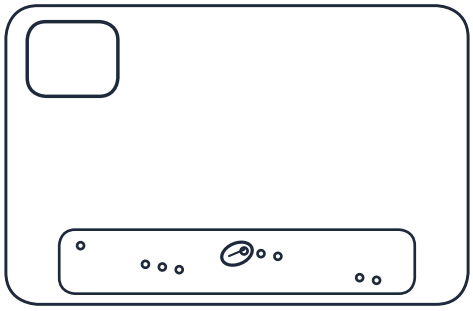
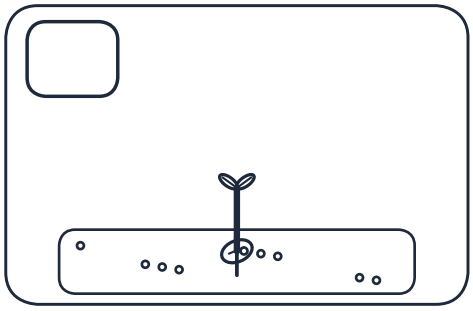
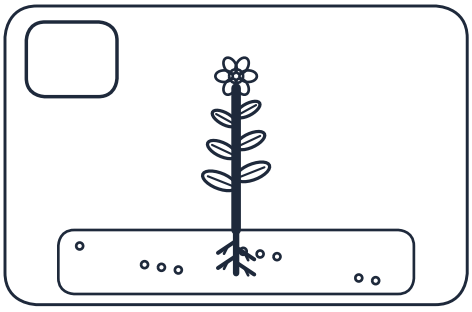
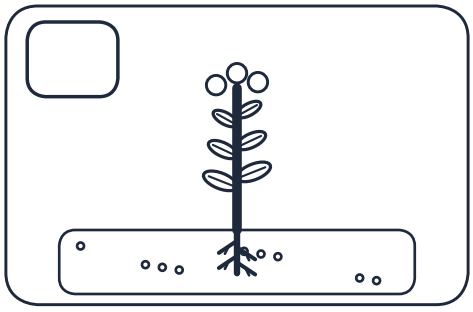
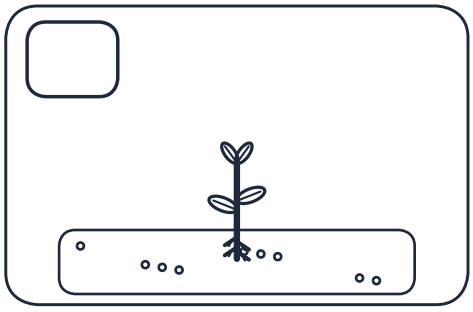
1 How it works

A plant's life is a cycle. A seed gets water and warmth and sprouts. The sprout grows into a seedling, then into an adult plant. The adult plant grows flowers. The flowers turn into fruit with new seeds inside. When those seeds are planted, the cycle starts again.



2 Put the stages in order

Write 1 for the first stage, up to 6.

How did I do? ☆ ☆ ☆

Scan for more free practice

Complete the life cycle

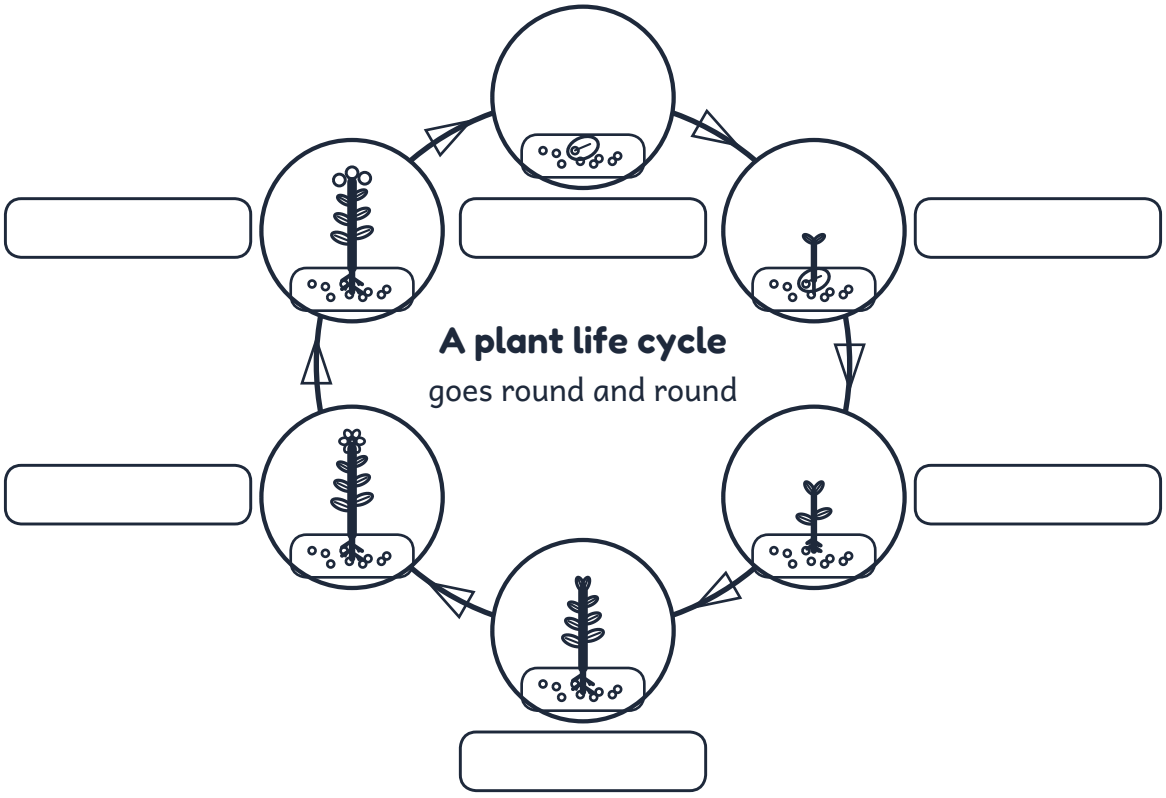
Name _____ Date _____

I can show that a plant life cycle goes round and round.

1 Write the name of each stage

Use the words in the box.

seed | sprout | seedling | adult plant | flower | fruit



2 What comes next? Circle it.

seed sprout ?

seedling adult plant ?

adult plant flower ?

seedling | seed | flower

seedling | seed | flower

adult plant | sprout | fruit

How did I do? ☆ ☆ ☆

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Think like a scientist

Name _____ Date _____

I can explain how a plant grows and makes new plants.

1 Think about it

1. What does a seed need to sprout? _____
2. Why does a plant make flowers? _____
3. Where can you find new seeds? _____
4. Why is it called a cycle? _____

2 True or false? Circle it.

1. Fruit has seeds inside.	true	false
2. A seed needs water to sprout.	true	false
3. A seedling is older than an adult plant.	true	false
4. A flower comes before the fruit.	true	false
5. Every plant life cycle ends and never starts again.	true	false

3 Draw your favorite fruit. Draw the seeds inside.

How did I do? ☆ ☆ ☆

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Try it: grow a bean in a bag

Name _____ Date _____

I can watch a seed sprout and grow.

1 You need

- a dry bean
- a zip bag
- a paper towel
- water
- tape

2 What to do

1. Wet the paper towel. Squeeze out the extra water.
2. Fold the towel and put it in the bag. Place the bean on the towel.
3. Close the bag and tape it to a sunny window.
4. Look every day. Add a few drops of water if the towel gets dry.

3 I predict

Which will come out first, the root or the shoot?

_____

_____

4 What I see

Day	Draw it	What changed?
Day 1		
Day 3		
Day 5		
Day 8		

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: plant life cycle

1 Page 1

Order: card 1 is 4 (adult plant); card 2 is 1 (seed); card 3 is 2 (sprout); card 4 is 5 (flower); card 5 is 6 (fruit); card 6 is 3 (seedling).

2 Page 2

Life cycle, from the top and going clockwise: seed, sprout, seedling, adult plant, flower, fruit (and the fruit holds new seeds).

Next: 1) seedling; 2) flower; 3) fruit.

3 Page 3

Think: 1) Water, air and warmth; 2) Flowers make seeds; 3) Inside the fruit; 4) It goes round: seeds grow into plants that make new seeds.

True or false: 1) true; 2) true; 3) false; 4) true; 5) false.

Drawing: answers will vary (an apple, orange or watermelon with seeds inside).

4 Page 4: Try it!

The root comes out first, usually after 2 to 4 days, and grows down. Then the shoot grows up toward the light and opens its first leaves. A bean in a bag can grow for about two weeks before it needs soil.

5 Teaching tip

Start the bean-in-a-bag experiment on page 4 first, then come back to the other pages while the bean grows. Children love checking their bean each morning, and the real sprout makes the cycle easy to remember.

Safety: a grown-up does any cutting. Wash hands after handling seeds and soil. Do not eat the beans.

Scan for more free practice