

Cycles All Around

Follow the ordered changes in animal and plant life cycles.

2.4 "The student will investigate and understand that plants and animals undergo a series of orderly changes as they grow and develop. Key ideas include animals have life cycles; and plants have life cycles."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Number the frog's life-cycle stages 1 to 4, then number the bean plant's life-cycle stages 1 to 4. Numbering helps you track the order of changes.

From Eggs and Seeds

- ① Living things change as they grow. These changes happen in an order called a life cycle. A life cycle has stages. When one stage is finished, the next stage begins. Plants and animals have different stages.
- ② A frog begins as an egg in water. The egg hatches into a tadpole. A tadpole swims and grows. Later, it grows legs and its tail becomes shorter. It changes into an adult frog, which can lay eggs.
- ③ A bean plant begins as a seed. With water, air, and the right warmth, the seed sprouts. A small seedling grows roots, a stem, and leaves. The mature plant makes flowers and new seeds. Those seeds can begin the cycle again.

2 ANSWER WITH EVIDENCE Use the passage

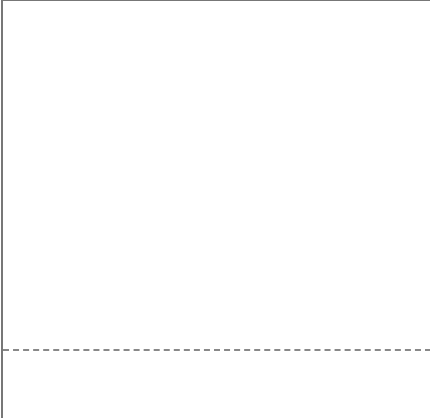
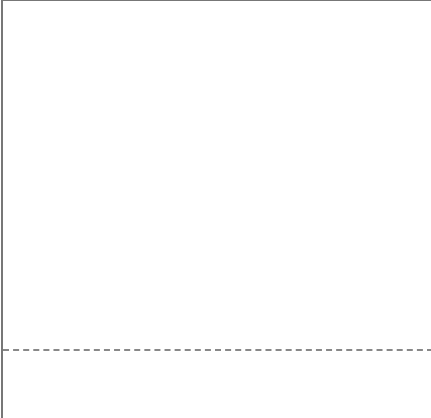
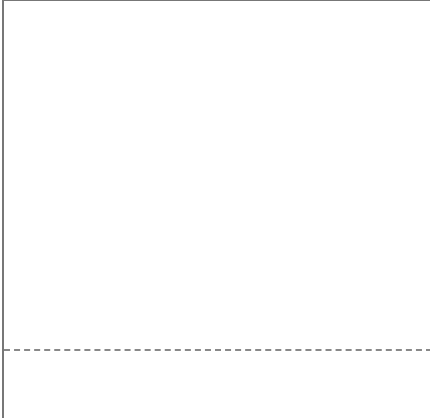
1 What are the four frog stages in order?

2 What stage comes after a bean seed sprouts and before the plant is mature?

3 How do an adult frog and a mature bean plant help their life cycles begin again?

3 YOUR TURN Your own words

Draw and label three stages in a sunflower life cycle: seed, seedling, and flowering plant with seeds. Then write one sentence that tells how the cycle can begin again.

		
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PART 1 • READ AND MARK

Number the frog's life-cycle stages 1 to 4, then number the bean plant's life-cycle stages 1 to 4.

Numbering helps you track the order of changes. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What are the four frog stages in order?	Egg, tadpole, tadpole growing legs and losing its tail, adult frog.
2	What stage comes after a bean seed sprouts and before the plant is mature?	A seedling that grows roots, a stem, and leaves.
3	How do an adult frog and a mature bean plant help their life cycles begin again?	An adult frog can lay eggs. A mature bean plant makes new seeds.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Panel 1: Sunflower seed. Panel 2: Sunflower seedling with roots, a stem, and leaves. Panel 3: Flowering sunflower plant with new seeds. A sunflower makes seeds, and the seeds can grow into new sunflower plants.

Accept correctly ordered, labeled sunflower stages and a sentence explaining that new seeds can grow into new plants. Accept equivalent wording for the frog's changing stage, such as a tadpole with legs and a shorter tail.