

Bean's Life Circle

Trace how a bean plant grows and makes new seeds.

2.4.b "plants have life cycles."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Circle the three bold stage titles. Write 1, 2, and 3 beside them in the order the bean plant changes, so you can see its life cycle.

From Bean Seed to New Seeds

- ① **Seed Stage.** A dry bean seed looks small and hard. When it gets water and warmth in soil, the seed coat opens. A tiny root grows down first. Soon, a shoot pushes up toward the light.
- ② **Growing Plant Stage.** The shoot becomes a young bean plant with leaves. Its roots take in water from the soil. Its leaves use sunlight to help the plant grow taller and make flowers.
- ③ **New Seeds Stage.** After pollen reaches a flower, bean pods grow. Inside each pod, new bean seeds form. The pods dry, and the seeds can be planted. Each new seed can begin the life cycle again.

2 ANSWER WITH EVIDENCE Use the passage

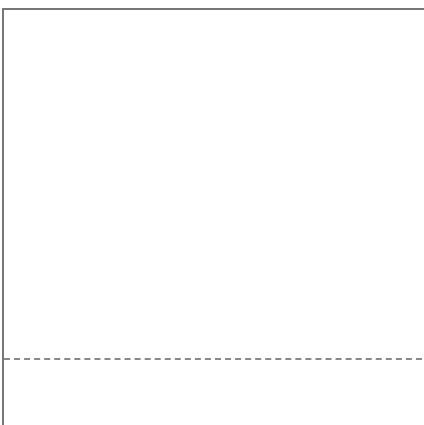
1 What changes happen in the Seed Stage before the shoot reaches light?

2 Name two things the young bean plant has or does in the Growing Plant Stage.

3 How does the New Seeds Stage connect back to the Seed Stage?

3 YOUR TURN Your own words

Make a three-panel life cycle for a bean plant. Draw and label the Seed Stage, Growing Plant Stage, and New Seeds Stage, then add arrows to show the cycle goes around again.

		
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PART 1 • READ AND MARK

Circle the three bold stage titles. Write 1, 2, and 3 beside them in the order the bean plant changes, so you can see its life cycle. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What changes happen in the Seed Stage before the shoot reaches light?	The seed coat opens, and a tiny root grows down first.
2	Name two things the young bean plant has or does in the Growing Plant Stage.	Answers may include: It has leaves, its roots take in water, its leaves use sunlight, it grows taller, or it makes flowers.
3	How does the New Seeds Stage connect back to the Seed Stage?	The new seeds can be planted and begin the life cycle again.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Panel 1: A bean seed in soil with water and warmth. Panel 2: A young bean plant with roots, leaves, and flowers. Panel 3: A bean pod with new seeds, with an arrow back to Panel 1.

Accept clear evidence that students understand the repeating order: seed, growing plant, and new seeds. In the panels, accept simple drawings and labels when arrows show that new seeds can begin the cycle again.