בס״ד

🌱 The Plant Life Cycle

Worksheet · Grades 1–3

Name: _____ Class: _____ Date: _____

Part A – grades 1–3

✏️ Number the stages in order (1, 2, 3...)

- ◯ 🍅 Fruit – with new seeds inside
- ◯ 🫘 Seed
- ◯ 🌿 Seedling – a young plant with first leaves
- ◯ 🌼 Flowering – the grown plant has flowers
- ◯ 🌱 Germination – a root and a shoot come out
- ◯ 🐝 Pollination – pollen moves from flower to flower

📖 Read

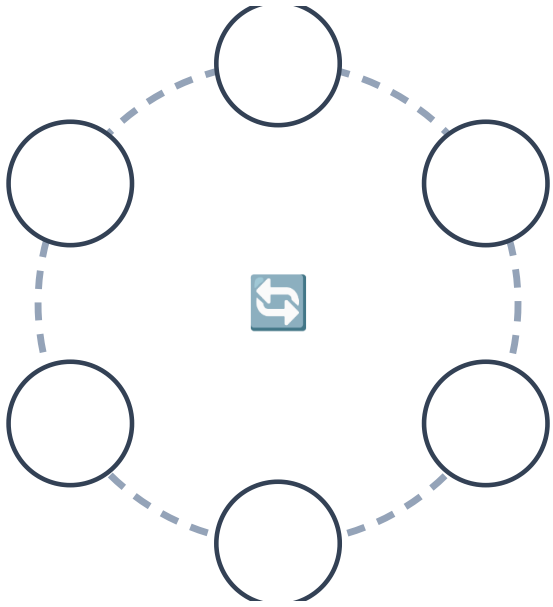
Inside the seed there is a tiny plant and stored food. The seed coat protects it.

With water, air and the right warmth, the seed drinks water and swells. A root grows down and a shoot grows up.

The shoot comes out of the soil and the first leaves open. Now the plant needs light to make food.

The plant grows roots, a stem and many leaves – and flowers appear.

🎨 Draw the cycle: one stage in each circle



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Part B – grades 4–6

1. What do you think will happen?

What do you think will happen? Will a bean seed germinate in the dark?

☐ Yes – germination needs water, air and warmth
☐ No – without light the seed will not germinate
☐ Only if we give it lots and lots of water

Explain your hypothesis: _____

_____

2. Explain in your own words:

germination: _____

seedling: _____

pollination: _____

fruit: _____

3. Observation task: a bean in a jar

Day	Jar in the light	Jar in the dark	Shoot length (cm)

4. Tick the right answer:

What does a seed need to germinate?

☐ Water, air and warmth ☐ Only light ☐ Only soil

What comes out of the seed first?

☐ A flower ☐ A root ☐ A fruit

Why is a bee important for the plant?

☐ It carries pollen from flower to flower ☐ It eats the leaves ☐ It waters the plant

Where are the new seeds?

☐ In the root ☐ Inside the fruit ☐ In the leaves