

Y2 Plant Growth

KS1 Y2 Science · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

What does a seed need to start growing (germinate)?

Step 1 · Think about what makes a dry seed swell

Water

Step 2 · Seeds in a freezing cold shed do not grow

Warmth

Step 3 · Does it need light yet?

No — beans start growing in the dark soil, using their own food store

Answer: Water and warmth

Check: Once the leaves appear, the young plant does need light.

2. Now try one with the steps

What grows first from a bean seed: the root or the shoot?

Step 1 · Watch a bean in a jar with damp paper towel

Step 2 · A few days later

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. What do we call a plant that is fully grown?

2. Name a plant that grows from a bulb.

3. Name a plant that grows from a seed.

4. Which grows first from a bean seed, the root or the shoot?

5. Which way does a shoot grow?

6. What 2 things does a seed need to start growing?

7. What is inside a seed that feeds the baby plant?

8. In which season do daffodils flower?

9. In which season should daffodil bulbs be planted?

10. A bean shoot was 9 cm tall on day 14. It grew 6 cm more by day 21. How tall was it on day 21?

11. A bean shoot was 2 cm tall on day 7 and 5 cm tall on day 10. How much did it grow?

12. Put in order: seedling, seed, mature plant, shoot.

13. How does a mature bean plant make new plants?

14. Why does a daffodil come up in the same place every spring?

4. Before you hand it in

Thinking a seed needs light to start growing.

Seeds need water and warmth to start; young plants then need light too.

Thinking a bulb is a seed.

Seeds and bulbs both grow into plants, but they are different things.

Thinking the shoot comes out first.

Watch a bean in a jar: root first, then shoot.

Thinking a plant is fully grown has leaves.

Mature = grown-up plant that can make new seeds.