THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

STAGE 2 · SCIENCE · PLANTS

Plants

Everything the questions ask about is taught on the page before them, so nobody has to know the science beforehand.

WHAT IS INSIDE

- Seeds and bulbs
- What a plant needs to grow
- Try it yourself
- How each one is worked

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2 topics · something to do at the end

Written for a parent teaching at home. No training assumed, and nothing else to buy.

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What a plant needs to grow

Read this first. Then answer the questions underneath.



A plant needs three things to grow well: water, light, and a suitable temperature.

Without water it wilts and dries out. Without light it grows pale and thin and then dies. If it is too cold or too hot it stops growing.

A plant can manage for a short time with less of one of them. It cannot manage without any.

1. **What three things does a plant need to grow well?**
   The first sentence lists them.

2. **What happens to a plant with no light?**
   Look for the word light.

3. **What happens to a plant with no water?**
   Look for the word water.

4. WORK IT OUT **Two seeds are planted in the same soil and watered the same. One is in a cupboard. Which grows better, and why?**
   What is different between them?

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Quick check

One right answer each, and every answer is somewhere in this pack. Ring the letter.



1. **Seeds and bulbs Name two plants that grow from bulbs.**
   (A) It grows pale and thin and then dies (B) Onions, daffodils and tulips (C) Water, light, and a suitable temperature (D) A tiny plant and enough food to st

2. **What a plant needs to grow What happens to a plant with no water?**
   (A) Onions, daffodils and tulips (B) A tiny plant and enough food to start it off (C) Water, light, and a suitable temperature (D) It wilts and dries out

3. **Seeds and bulbs What is a bulb?**
   (A) It grows pale and thin and then dies (B) It wilts and dries out (C) A store of food wrapped in layers (D) Onions, daffodils and tulips

4. **What a plant needs to grow What happens to a plant with no light?**
   (A) It grows pale and thin and then dies (B) A store of food wrapped in layers (C) Onions, daffodils and tulips (D) A tiny plant and enough food to start it o

5. **Seeds and bulbs What is inside a seed?**
   (A) A tiny plant and enough food to start it off (B) It grows pale and thin and then dies (C) It wilts and dries out (D) Water, light, and a suitable temperature

6. **What a plant needs to grow What three things does a plant need to grow well?**
   (A) A store of food wrapped in layers (B) Onions, daffodils and tulips (C) A tiny plant and enough food to start it off (D) Water, light, and a suitable temper

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How each one is worked

The answers to the **work it out** questions are model answers. A child who says something different and can show you where on the page it came from has done the work.



SEEDS AND BULBS

1. What is inside a seed?

1. The passage says inside a seed is a tiny plant and enough food to start it off.
2. So that is the answer.

Answer: **A tiny plant and enough food to start it off**

2. Name two plants that grow from bulbs.

1. The passage says onions, daffodils and tulips grow from bulbs.
2. Any two of those is right.

Answer: **Onions, daffodils and tulips**

3. What is a bulb?

1. The passage says a bulb is a store of food wrapped in layers.
2. So that is the answer.

Answer: **A store of food wrapped in layers**

4. WORK IT OUT **Why can a seed sit in a packet for a year and still grow?**

1. A seed holds a tiny plant and enough food to start it off.
2. It waits until the conditions are right.
3. So a year in a packet does it no harm.

Answer: **Because it carries its own food and only grows when the conditions are right**

WHAT A PLANT NEEDS TO GROW

1. What three things does a plant need to grow well?

1. The passage says a plant needs water, light, and a suitable temperature.
2. So that is the answer.

Answer: **Water, light, and a suitable temperature**

2. What happens to a plant with no light?

1. The passage says without light it grows pale and thin and then dies.
2. So that is the answer.

Answer: **It grows pale and thin and then dies**

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SAMPLE PAGES

You have read a few pages. The pack is longer.

What you are holding is a short sample, taken from different parts of the pack so that you can see how a week is planned and what a child is actually asked to do, before you decide.

The complete pack, and the rest of the academic materials, are on our website: schemes of work for a parent teaching at home, and practice packs for the skills children get stuck on.

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Islamic and Academic Education

Members of the homeschool community do not buy these. If you have joined the community, the pack for the term you are working on is given to you at no cost.

Our Islamic Education classes are free. These packs are part of what pays the teachers who teach them.