THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

STAGE 3 · 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

- What each part does
- What a plant needs, and how much
- How a flowering plant makes the next one
- Try it yourself
- How each one is worked

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3 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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How a flowering plant makes the next one

Read this first. Then answer the questions underneath.



A flower's job is to make seeds, and it takes three steps.

Pollination comes first. Pollen is carried from one flower to another, usually by an insect or by the wind.

Seed formation comes next. Once pollen reaches the right part of the flower, seeds begin to grow inside it.

Seed dispersal comes last. The seeds have to get away from the parent plant, or they will grow in its shadow and have no room. Some are carried by the wind, some stick to animals, some are eaten and come out somewhere else.

1. What is the first step called?

Three steps are named in order.

2. What usually carries pollen?

Two carriers are given.

3. What is the last step called?

It comes after seed formation.

4. WORK IT OUT Why do seeds need to get away from the parent plant?

The passage gives the reason.

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Quick check



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

1. **How a flowering plant makes the next one What usually carries pollen?**
   (A) Make the plant's food, using light (B) A cactus (C) By an insect or by the wind (D) Pollination

2. **What a plant needs, and how much Where does a fern grow well?**
   (A) Seed dispersal (B) In shade (C) Water and nutrients (D) A cactus

3. **What each part does What do the leaves do?**
   (A) A cactus (B) Water and nutrients (C) Pollination (D) Make the plant's food, using light

4. **What each part does What do the roots take in from the soil?**
   (A) Pollination (B) Make the plant's food, using light (C) Water and nutrients (D) Seed dispersal

5. **How a flowering plant makes the next one What is the first step called?**
   (A) Pollination (B) Seed dispersal (C) Water and nutrients (D) By an insect or by the wind

6. **What a plant needs, and how much Which plant needs very little water?**
   (A) A cactus (B) In shade (C) By an insect or by the wind (D) Seed dispersal

7. **How a flowering plant makes the next one What is the last step called?**
   (A) Water and nutrients (B) Seed dispersal (C) Make the plant's food, using light (D) By an insect or by the wind

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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.



WHAT EACH PART DOES

1. What do the roots take in from the soil?

1. The passage says the roots take in water and nutrients from the soil.
2. So that is the answer.

Answer: **Water and nutrients**

2. What does the stem carry?

1. The passage says the stem carries water and nutrients from the roots to the rest of it.
2. So that is the answer.

Answer: **Water and nutrients from the roots to the rest of it**

3. What do the leaves do?

1. The passage says the leaves make the plant's food, using light.
2. So that is the answer.

Answer: **Make the plant's food, using light**

4. WORK IT OUT **Why would cutting through the stem kill the top of a plant?**

1. The stem carries water and nutrients up from the roots.
2. Cutting it stops anything getting past the cut.
3. So the part above the cut gets nothing.

Answer: **Because the water and nutrients could not get up from the roots**

WHAT A PLANT NEEDS, AND HOW MUCH

1. What five things does a plant need?

1. The passage says air, light, water, nutrients from the soil, and room to grow.
2. So that is the answer.

Answer: **Air, light, water, nutrients from the soil, and room to grow**

2. Which plant needs very little water?

1. The passage says a cactus needs very little water.
2. So the answer is **a cactus**.

Answer: **A cactus**

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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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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.