THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

STAGE 6 · SCIENCE · LIVING THINGS AND THEIR HABITATS

Living things and their habitats

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

WHAT IS INSIDE

- Sorting all living things
- Giving reasons for a grouping
- Try it yourself
- How each one is worked

The Striving Muslim Academy

2 topics · something to do at the end

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

strivingmuslimacademy.com

Sorting all living things

Read this first. Then answer the questions underneath.



Living things are sorted into groups. Historically scientists classified them using characteristics anybody could observe, and as DNA technology developed they have worked out more precise groupings based on how closely things are related.

The largest groups are three domains: Bacteria, Archaea and Eukarya. Inside a domain come the kingdoms, and animals, plants and fungi are three of those. A mushroom is not a plant, and it does not make its own food.

Animals with a backbone are called vertebrates, and the five groups to learn are fish, amphibians, reptiles, birds and mammals. Here is a crack in the tidy answer, and it is worth knowing about: almost all scientists now place birds inside the reptiles, because of what the fossils and the DNA show. The five groups are still how the subject is taught and still useful. Animals without a backbone are invertebrates, which include insects, spiders, worms and snails.

Plants divide by how they reproduce: flowering plants make seeds in flowers, and non-flowering plants such as ferns and mosses do not.

1. **What are the largest groups called?**
   One word.

2. **Name three kingdoms.**
   Three are given.

3. **What are animals with a backbone called?**
   One word.

The Striving Muslim

Quick check



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

1. **Giving reasons for a grouping What are poor reasons for grouping?**
   (A) Kingdoms (B) Insects, spiders, worms and snails (C) Animals, plants and fungi (D) Where something lives and how it moves

2. **Sorting all living things What are the largest groups called?**
   (A) Kingdoms (B) Animals, plants and fungi (C) Where something lives and how it moves (D) Saying which features made you do it

3. **Sorting all living things Name three kingdoms.**
   (A) Animals, plants and fungi (B) Where something lives and how it moves (C) Vertebrates (D) Saying which features made you do it

4. **Giving reasons for a grouping What is the other half of the work?**
   (A) Saying which features made you do it (B) Animals, plants and fungi (C) Kingdoms (D) Vertebrates

5. **Sorting all living things Name three invertebrates.**
   (A) Where something lives and how it moves (B) Animals, plants and fungi (C) Insects, spiders, worms and snails (D) Saying which features made you do i

6. **Sorting all living things What are animals with a backbone called?**
   (A) Saying which features made you do it (B) Vertebrates (C) Insects, spiders, worms and snails (D) Animals, plants and fungi

The Striving Muslim Academy

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.



SORTING ALL LIVING THINGS

1. What are the largest groups called?

1. The passage says the largest groups are called kingdoms.
2. So the answer is **kingdoms**.

Answer: **Kingdoms**

2. Name three kingdoms.

1. The passage says animals, plants and fungi are three of them.
2. So that is the answer.

Answer: **Animals, plants and fungi**

3. What are animals with a backbone called?

1. The passage says those with one are vertebrates.
2. So the answer is **a vertebrate**.

Answer: **Vertebrates**

4. Name three invertebrates.

1. The passage says invertebrates include insects, spiders, worms and snails.
2. Any three of those is right.

Answer: **Insects, spiders, worms and snails**

5. WORK IT OUT **Why is a mushroom not a plant?**

1. A plant has leaves, roots and usually flowers, and makes its own food in its leaves.
2. A mushroom has none of those.
3. So it belongs in a different kingdom.

Answer: **Because it has no leaves, no roots and no flowers, and it does not make its own food**

GIVING REASONS FOR A GROUPING

1. What is the other half of the work?

1. The passage says the other half is saying which features made you do it.
2. So that is the answer.

Answer: **Saying which features made you do it**

The Striving Muslim Academy

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.

The Striving Muslim Academy

strivingmuslimacademy.com

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.