



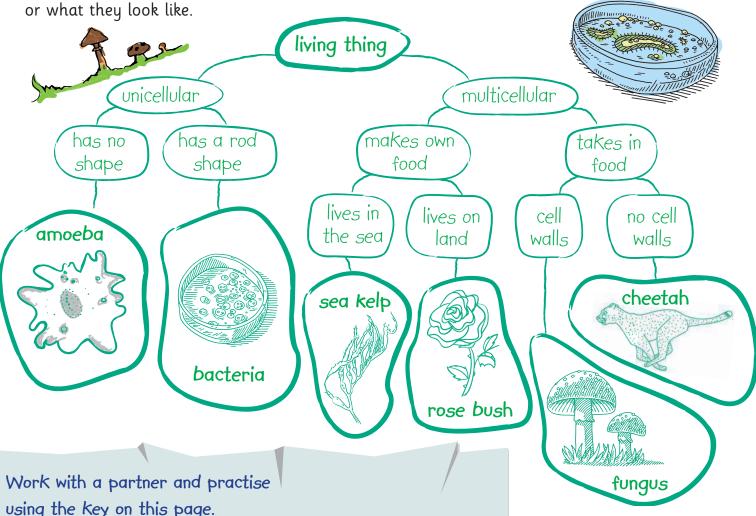
Discover...

what scientists use dichotomous keys for.

Dichotomous means divided into two. Scientists use dichotomous keys to identify organisms they find in the wild. All the characteristics defined in a dichotomous key have two choices. For example, living or non-living.

You can build a dichotomous key to identify organisms based on nutrition, number of cells

How do we know if something is living or non-living?



It's multicellular and

It lives in the sea.

Now make your own dichotomous key using different organisms!

makes its own food.

CAN YOU CLASSIFY THESE WEIRD AND WONDERFUL ORGANISMS?

Like all rules, exceptions exist. Some organisms are tricky to classify!

Discover...

which plant gets its food by eating other living things.

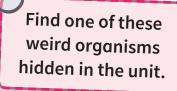


The platypus lays eggs, but is not a reptile, fish or bird.

How is the platypus classified?



The Venus flytrap is no ordinary plant — it gets its energy by eating insects! However, it can still make its own food between meals like other plants.





This may look like a plant, but it is actually a leaf-tailed gecko. It can mimic leaves to avoid being eaten.



This looks like a tree, but it is actually a marine animal called *Spirobranchus giganteus*, known as the *Christmas tree* worm. The tentacles are actually specialised mouths!



This lichen gives taxonomists a double headache. It is both a fungus and an alga living together in the same organism.

What is a taxonomist?

Check this out: .

STAGE 3

- Find out three interesting facts about your organism.
- Swap information with a partner. Which organism is the strangest?
- Make a poster of your organism. Include your drawing and information from Stages 1 and 2.
- Add photos and write a descriptive paragraph about your interesting facts.

Can you believe that ...?

Believe it or not, my organism has got / does / is / can ...

15



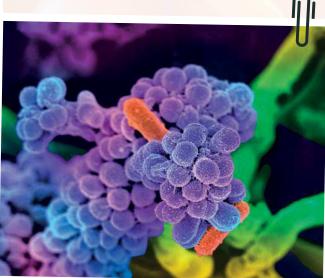
Language Review

1 Match the prefixes to the endings. Complete the sentences in your notebook.

Prefixes: uni- multi- in- anti- -cellular -biotics -vertebrates -cellular

- a An organism that contains several different cells that work together is a organism.
- **b** Bacteria have only got one cell and are an example of a organism.
- c There are two main groups of animals: vertebrates and
- **d** Sally is feeling better because the she is taking are fighting her bacterial infection.





- 2 Write the correct question word. Match each question to the correct answer.
 - a does giant kelp grow?
 - **b** have plant cells got a cell wall?
 - c discovered penicillin?
 - d kingdom does the platypus belong to?
 - e do plants make their own food?
 - f is the plural of fungus?

Fungi.

Through photosynthesis.

For structural support.

Alexander Fleming.

In the sea.

The Animal kingdom.

- 3 Complete the sentences using the modal verbs *must* or *might*.
 - a This organism is unicellular, but doesn't make its own food; it be a bacterium.
 - b This organism is unicellular and makes its own food; it be a protist.
 - c This organism is multicellular with cell walls; it be a fungus.
 - d This organism is multicellular and makes its own food; it be a plant.
 - e This organism is a multicellular vertebrate; it be an animal.





1 For these questions, choose the correct answer for each gap.

a are the building blocks of life.

Kingdoms

Organs

Cells

Assessment ink

For more Unit 1 activities go to page 78.

b Tissues work together to form

organisms

systems

organs

c look like plants but they can't make their own food.

Protists

Bacteria

Fungi

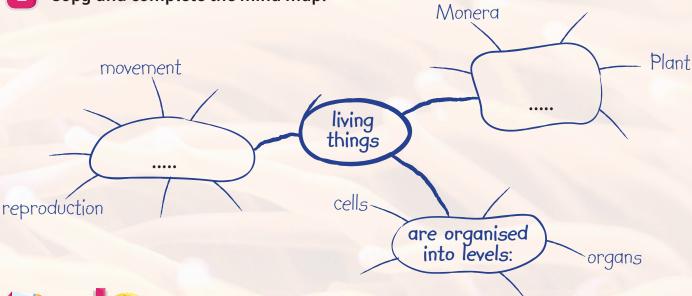
d The controls the cell and contains all the genetic information.

nucleus

cytoplasm

chloroplast

2 Copy and complete the mind map.



FINALE

 Get into expert groups for each kingdom. Discuss what your organisms have in common. Are they all multicellular? Do they make their own food?

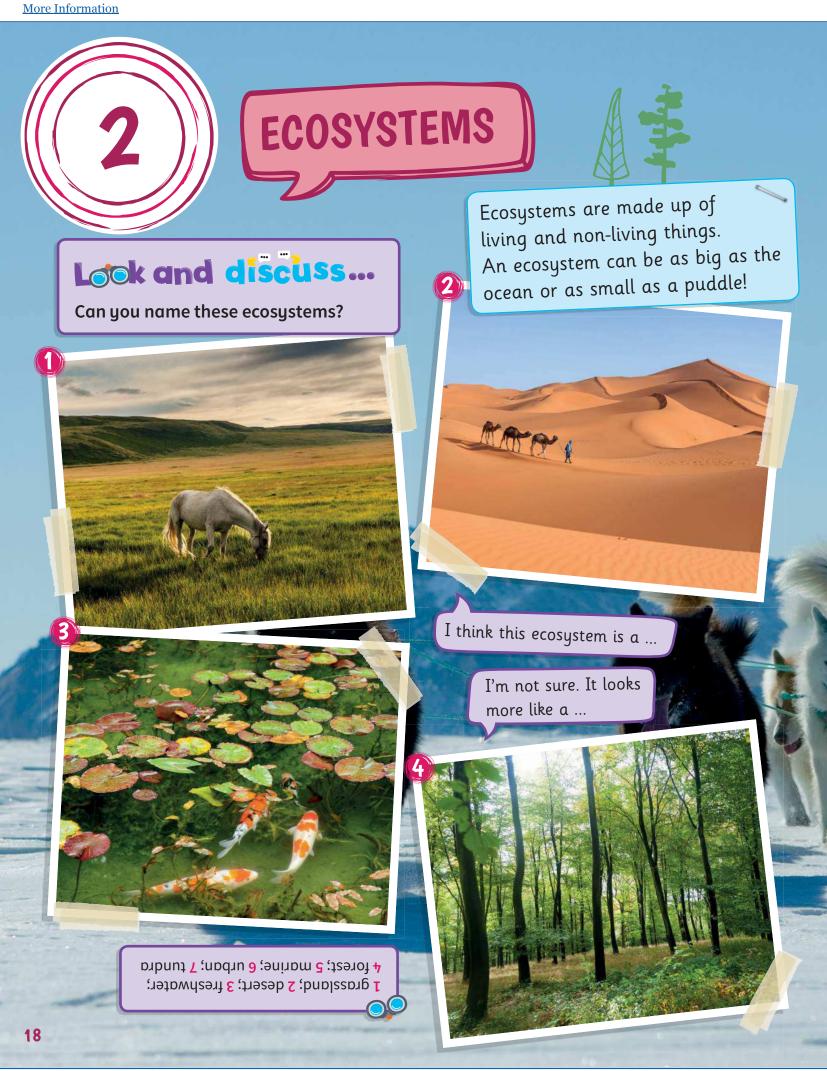
 Now form new groups of five, each person representing a different kingdom. Talk about your organism and present your poster.

 Your teacher will then collect the organism posters and organise them into a book: The Book of Life! I have chosen ... because ..

This is an organism that can / does / is ...

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