















Living Things and Their Habitats: Living, Dead or Never Alive?

<p>Aim: To explore and compare the differences between things that are living, dead, and things that have never been alive by thinking about life processes.</p> <p>I can compare the differences between things that are living, dead and have never been alive.</p> <p>To use their observations and ideas to suggest answers to questions by explaining how they know something is living, dead or has never been alive</p> <p>I can answer questions about things that are living, dead or have never been alive.</p>	<p>Success Criteria: I can explain some of the life processes. I can explain how life processes can tell us if something is living, dead or has never been alive.</p> <p>I can say if something is living, dead or has never been alive.</p> <p>I can give reasons for my answers.</p>	<p>Resources: Lesson Pack Large sorting hoops</p>
	<p>Key/New Words: Life process, living, non-living, dead, never alive, movement, respiration, sensitivity, growth, reproduction, excretion, nutrition.</p>	<p>Preparation: One set of Living or Non-Living Sorting Cards One set of Dead or Never Alive Sorting Cards One set of Alive, Dead or Never Alive Sorting Labels Living, Dead or Never Alive Group Activity Sheet - 1 per group, photocopied A3 size Set up two large sorting hoops somewhere in the classroom.</p>

Prior Learning: It will be helpful if children have previously made detailed observations of animals and plants.

Learning Sequence

	I'm Alive! In pairs, children discuss things that we do that let us know that we are alive. Record suggestions on the IWB or on a flipchart.	
	Life Processes: Using the Lesson Presentation , introduce children to the seven life processes and the mnemonic Mrs Gren, giving examples of how these processes appear in plants and animals. Refer back to the children's previous suggestions and discuss which life processes were represented in this list.	
	Living or Not? Distribute the Living or Non-Living Sorting Cards , one card per pair. Show children the sorting hoops, labelled 'Living' and 'Non-Living', and demonstrate how to sort a card into the appropriate set by considering if the item does or does not demonstrate life processes. In pairs, children sort their cards into the appropriate hoops. Choose a few volunteers to give reasons for their choices. Address misconceptions.	
	Dead or Never Alive? Distribute the Dead or Never Alive Sorting Cards , one card per pair. Show children the sorting hoops, labelled 'Dead' and 'Never Alive'. Demonstrate how to sort a card into the appropriate set by considering the origin of the item. In pairs, children sort their cards into the appropriate hoops. Choose a few volunteers to give reasons for their choices. Address misconceptions.	
	How Can You Tell? As a class, ask the children to consider the three examples on the Lesson Presentation , choosing volunteers to state if they are living, dead, or have never been alive, and giving reasons for their answers. Draw out answers that focus on the presence or absence of life processes, and in the case of the pine cone, what has changed now that it is no longer a part of the tree.	
	How Can You Tell? Group Activity: Split the children into small groups of three or four. Divide both sets of sorting cards between the groups, giving each group an example of something that is living, something that is dead, and something that has never been alive. Using the Living, Dead or Never Alive-How Can You Tell Group Activity Sheet , each group classifies their cards as living, dead or never alive and writes reasons for their answers .	
	Which One Am I? Choose a volunteer to pick one of the images from each of the slides on the Lesson Presentation . The class take turns asking the volunteer questions about life processes that can only be answered 'yes' or 'no', until the class can identify which of the images the volunteer has chosen.	

Taskit

Playit: Explore these _____s to find out more about things that are living, dead or never alive.

Activityit: Complete the **Life Processes Activity Sheet** to find out more about how the seven life processes appear in different living things.

Wordsearchit: Reinforce vocabulary with the **Life Processes Wordsearch**.



Science

Living Things and Their Habitats

Living, Dead or Never Alive



Aim

- I can compare the differences between things that are living, dead and have never been alive.
- I can answer questions about things that are living, dead or have never been alive.

Success Criteria

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I'm Alive!

We are all alive!

What do we do that lets us know we are alive?



Life Processes

All living things do certain things to stay alive.

These are called life processes.

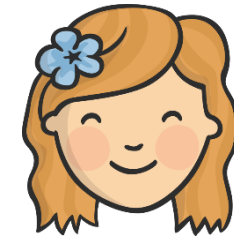
Animals, including humans, do these things.



Plants do too, although they do them in different ways.



We can remember these things by thinking about Mrs Gren .



Life Processes

Characteristics of living things

Movement

Respiration

Sensitivity

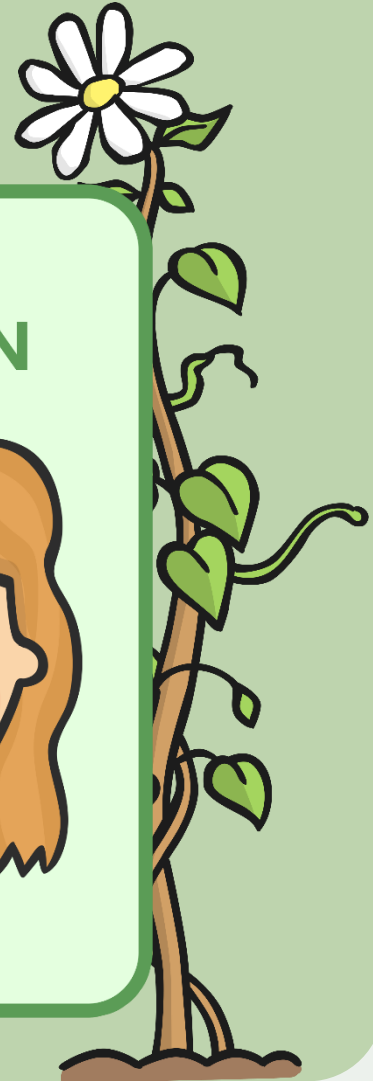
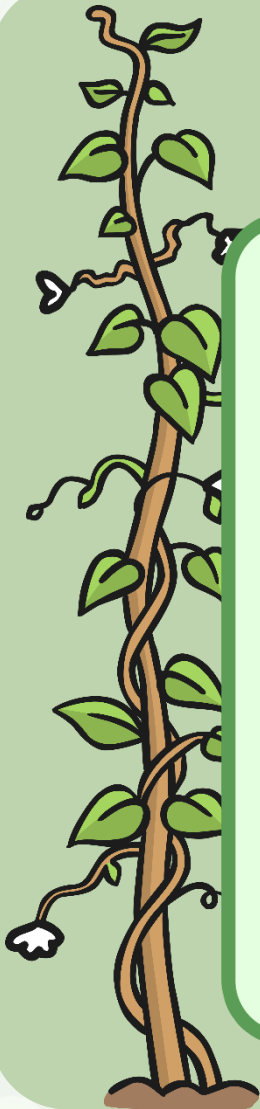
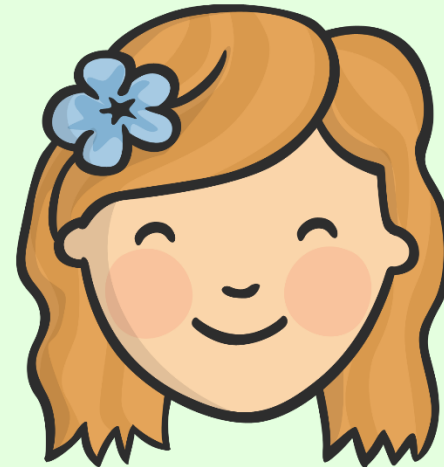
Growth

Reproduction

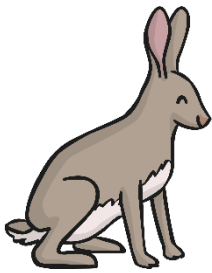
Excretion

Nutrition

MRS GREN

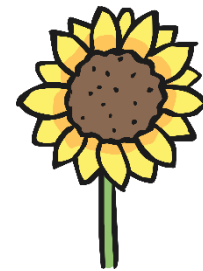


Life Processes



A hare runs to
escape from danger.

A sunflower moves to
turn its face towards
the sun.



Life Processes



Mammals breathe through their mouths and noses.



Plants take in and give out gases through their leaves.



Life Processes



Animals use their senses to see, hear, taste, touch and smell the world around them.



Plants can also detect changes in the environment. This mimosa plant curls up when you touch it!

Life Processes



This ocean mola started life as an egg not much bigger than a full stop. It will grow to weigh about 1000 kg- this is the same size as a large bull!



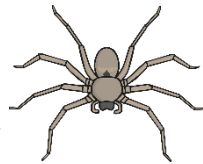
Bamboo can grow up to 3cm every hour.



Life Processes



This wolf spider has
her babies on her back.

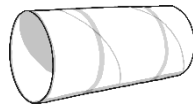


Each seed contains a tiny
miniature plant ready to grow.

Life Processes



How do you get rid of waste products from your body?



Left over gases and water leave plants through their leaves.



Life Processes



Some animals eat plants, and some eat other animals. Bears eat both, like people!



Green plants make their own food using the energy from the sun.

Living or Not?



Which of these are living?

Which are non-living?

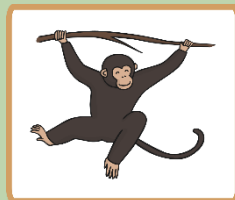
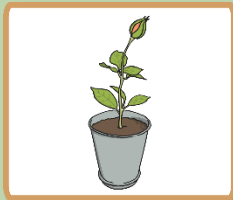
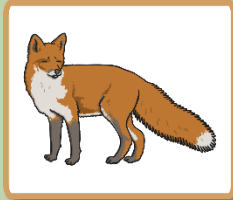
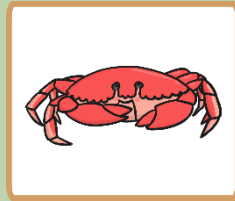
How can you tell?



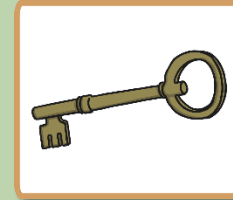
Living or Not?



Living



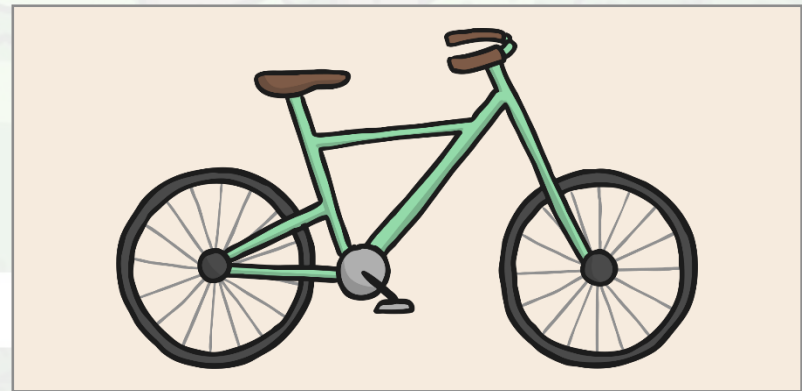
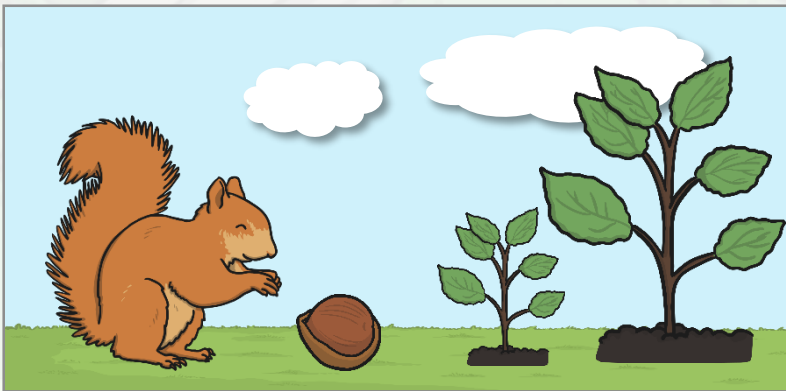
Non-living



Living or Not?

- Living things have life processes.
- They need food, water and air to stay alive.
- They can sense changes in the environment.
- They can move, grow and reproduce.

- Non-living things can be things that were once living or part of a living thing, or they can be things that have never been alive.
- They do not need food, water or air.
- They cannot reproduce.

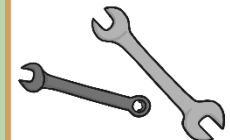
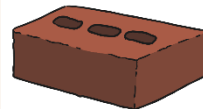
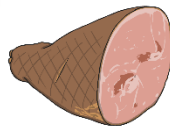
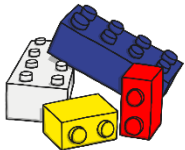
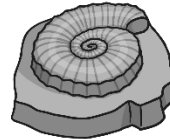


Dead or Never Alive?



Many non-living things have never been alive but some of them were once part of a living plant or an animal.

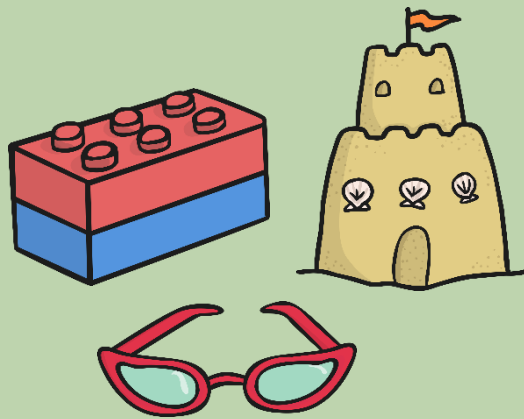
Which of these non living things are dead, and which were never alive? It may help to think of what the thing is made from.



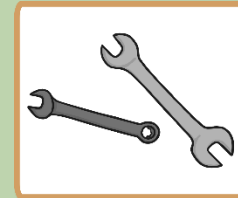
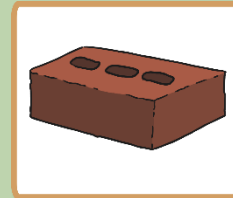
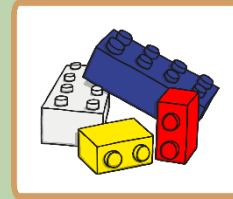
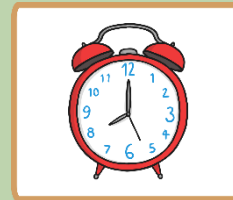
Dead or Never Alive?



Things made of materials like metal, rock, plastic, glass and sand have never been part of a living thing.



Never alive



Dead or Never Alive?

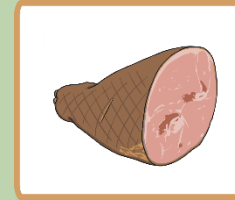
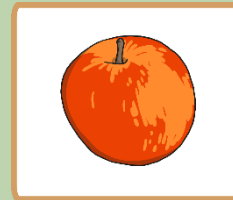


All of these things are non-living, but they used to be part of a living thing.

Which living thing were they part of?



Dead



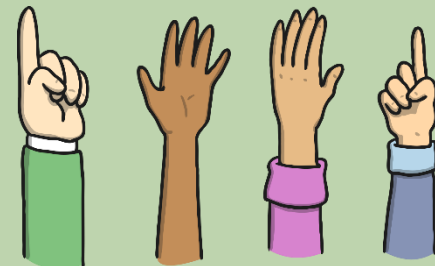
How Can You Tell?



Is this teapot
living, dead or
has it never
been alive?



How can
you tell?

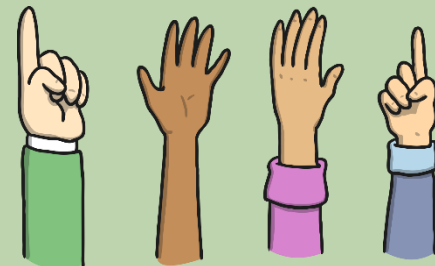
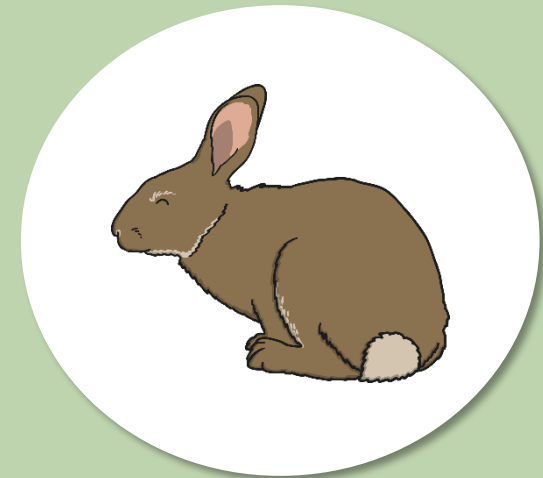


How Can You Tell?



Is this rabbit living, dead or has it never been alive?

How can you tell?



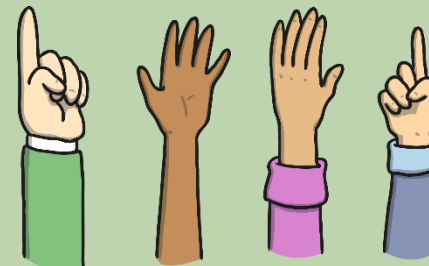
How Can You Tell?



Is this pinecone living, dead or has it never been alive?



How can you tell?



How Can You Tell?



Living, Dead and Never Alive - How Can You Tell?

Group Names:

1. _____ 3. _____
2. _____ 4. _____

Draw your item:

Is it living, dead or has it never been alive?
How can you tell? Give three reasons:

1. _____
2. _____
3. _____

Draw your item:

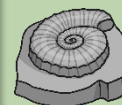
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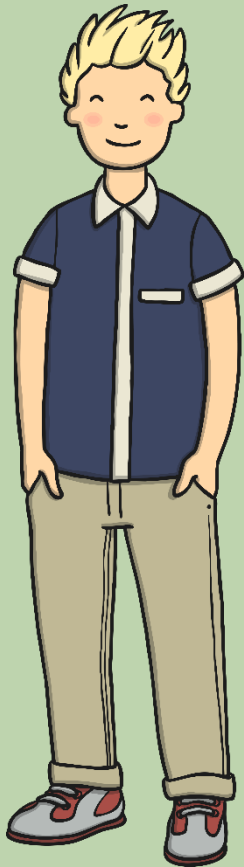
Draw your item:

Is it living, dead or has it never been alive?
How can you tell? Give three reasons:

1. _____
2. _____
3. _____



Which One Am I?



A volunteer will choose a picture.

We will ask that person questions to give us clues about which picture they have chosen.

The volunteer can only answer yes or no.

We can not ask if they are alive, dead or have never been alive, or what they are made from.

We can only ask questions based on the 7 life processes.

Remember Mrs Gren!

Characteristics of living things

Movement

Respiration

Sensitivity

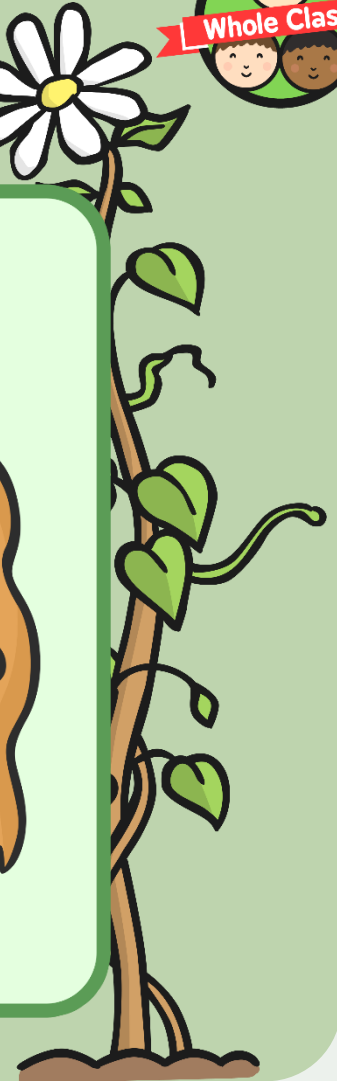
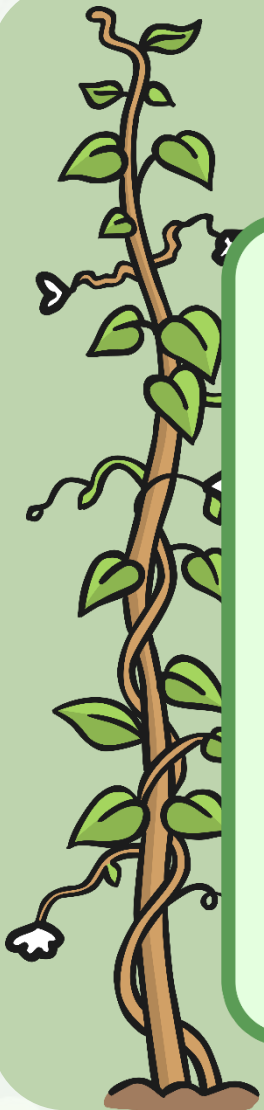
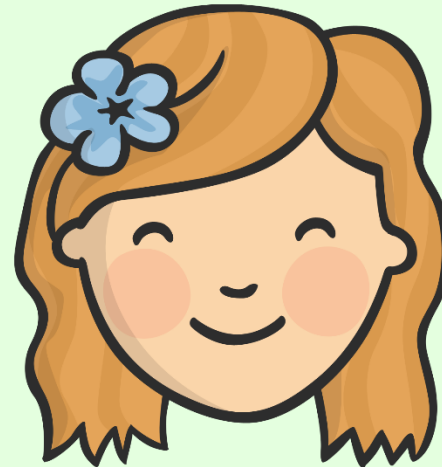
Growth

Reproduction

Excretion

Nutrition

MRS GREN



Which One Am I?



Living, Dead or Never Alive



Which One Am I?



Living, Dead or Never Alive



Which One Am I?



Living, Dead or Never Alive

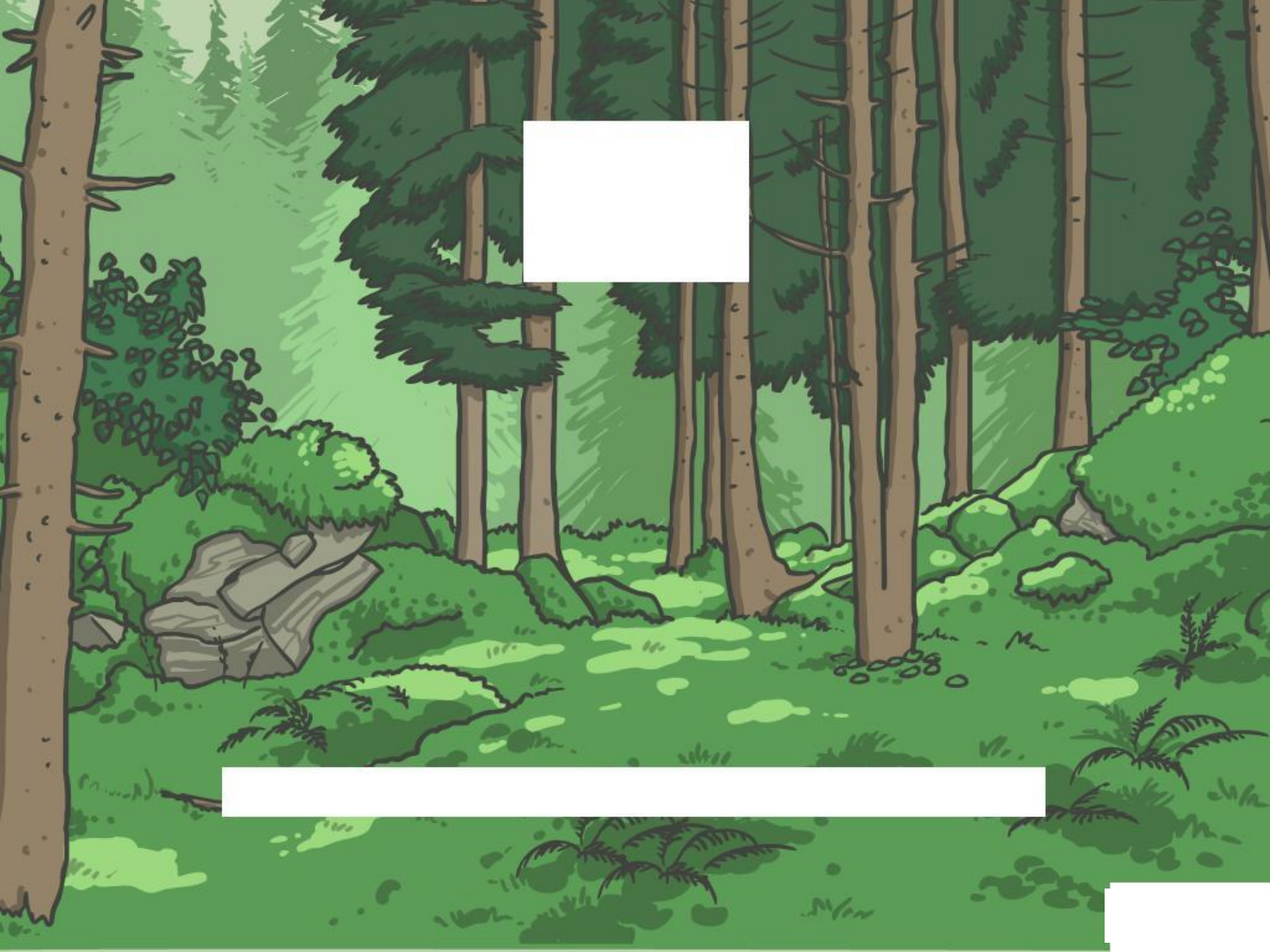


Aim

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- I can answer questions about things that are living, dead or have never been alive.

Success Criteria

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