

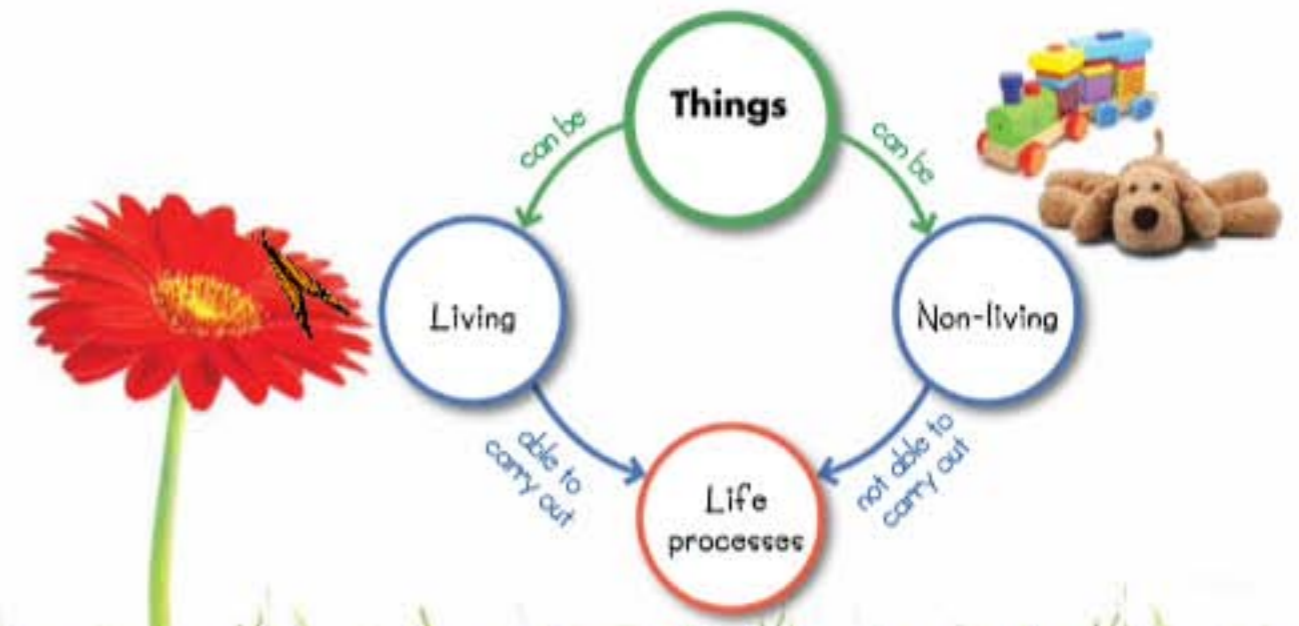
I Living Things and Their Life Processes



Well Ari, if you haven't been drinking your milk, what have you been doing with it?

Naughty Ari has been giving his milk to the plant!
Do you think the milk actually helped the plant to grow?

What's In This Chapter?



What Will I Learn?

- I will:
1. **Know** the life processes that humans and other animals undergo. (351)
 2. **Understand** that all animals need air, water and food to stay alive. (354)
 3. **Know** the life processes that plants undergo. (362)
 4. Be able to **describe** the differences between living and non-living things using my knowledge of life processes. (363)

Growth

Nutrition allows living things to **grow**. When a living thing grows, it becomes larger in size. It also increases in weight, that is, it becomes heavier.



⤴ A baby horse, also known as a foal, grows into an adult horse.

Amazing Fact!

The blue whale is the largest animal on Earth. It can grow up to 30 metres long. It is also one of the 'greediest' animals. Blue whales feed on small sea creatures called krill. An adult blue whale eats about 3600 kg of krill a day!



⤴ A child grows into an adult.

A living thing may also change in appearance as it grows. Can you think of any animals like that?

Cross Link!

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Movement

Living things can move on their own, but non-living things cannot.



⤴ A horse can run.



⤴ A wooden rocking horse cannot move on its own.

Sensitivity

Living things can respond to changes around them, but non-living things cannot.



⤴ A boy can respond to a change in weather. Here, Ari is running for shelter to protect himself from the rain!



>> A statue cannot respond to protect itself from the rain.

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Zyler pouted and crossed his arms, "I really think I need pumpkin cookies."

Zulia patted his head, and Mom went on, "All of us, including our teachers, friends and relatives, have wants; but, we might not get all our wants. It is important to get our needs met; if we get what we want, we might be happier." She laughed, and raised up her foot again to show off her new shoes.

Zyler jumped up, "I would definitely be happier eating pumpkin cookies than green beans. But why should I care whether something is a want or a need?"

Zulia nodded, "I think I know. Because you can't go around all day, and say 'I want that' to everything that you see. Now, if you say 'I need that', then Mom and Dad might see if they can get you that thing. It's important for you to decide for yourself what things you need and what things you only want. Mom and Dad won't always be there to decide for you. I know you can decide that yourself, Zyler. Just remember: needs are things you can't live without. You can live without your wants."





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Halves and Quarters



Let us share this pie equally. How should we cut it?

I know! Cut across the pie in the centre. You can then give one part to me.

Is Ari correct?
How can the children share the pie equally?

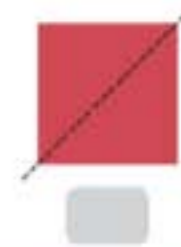
Learning Outcomes

- Find and recognise halves and quarters of shapes
- Find halves and quarters of small numbers

If a shape is cut into 2 equal parts, then each equal part is **one half** of the shape. For each shape, the **2 halves** make **1 whole**.

Try This!

Are the shapes below cut into halves along the dotted line? Write **Yes** or **No** below each shape.



Check

Reset

Fascinating Fact!
A piece of paper cannot be folded in half more than seven times. Try it!



Is Triangle A one half of a square?



half?





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Try This!

Are the shapes below cut into halves along the dotted line? Write **Yes** or **No** below each shape.



no! ⚠️



⚠️



⚠️

Check

Reset

Fascinating Fact!
A piece of paper cannot be folded in half more than seven times. Try it!



Is Triangle A one half of a square?



half? →





Two pieces of Triangle A can join to make a square. So, Triangle A is one half of a square.

Try This!

Are the shapes in Set A halves of the shapes in Set B?
Write **Yes** or **No**.

Set A



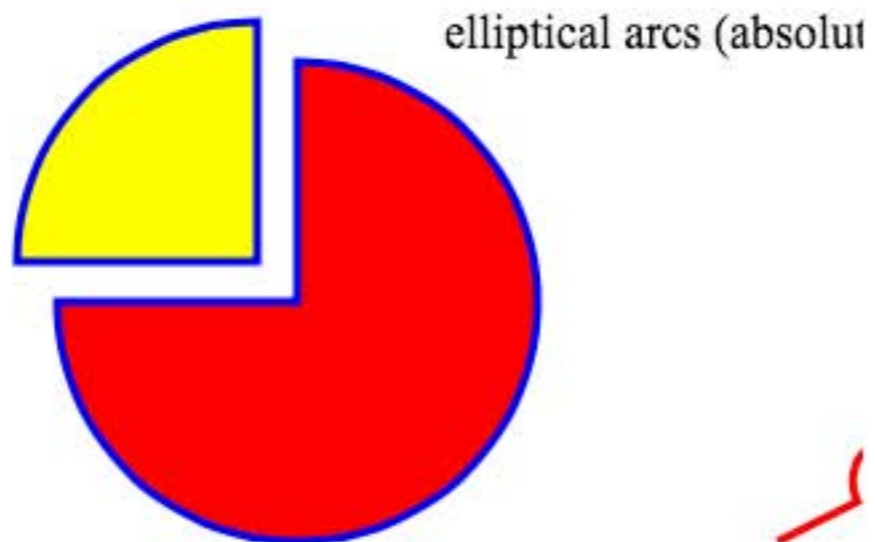
Set B



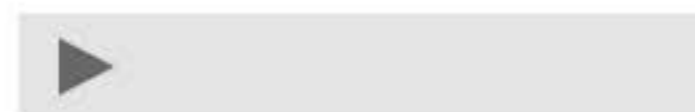
Check

Reset





Audio



Video



CHAPTER ONE

PATHFINDERS

1888

NEW ZEALAND & AUSTRALIA



IN 1887-88, two teams of English cricketers toured Australia. It was before the days of proper regulation, and both teams were gathered together by private promoters. One tour party was led by the former England cricket captain James Lillywhite and organised by Arthur Shrewsbury (England's opening batsman of the day) and Alfred Shaw, the man who ten years earlier had bowled the first ball in an official England–Australia Test cricket match.

CHAPTER TWO

CHAMPAGNE AND TRAVEL

1891

SOUTH AFRICA



VARIOUS PARTIES have been labelled the 'Greatest Lions' but the second tour of all, made to South Africa under the captaincy of W E (Bill) Maclagan, and managed by Edwin Ash, past secretary of the RFU, established an early claim, the power of which remains convincing.