



**Y5 Science**

# Living Things and Their Habitats

I can discuss the 7 life processes.

[www.grammarsaurus.co.uk](http://www.grammarsaurus.co.uk)



**Grammarsaurus**

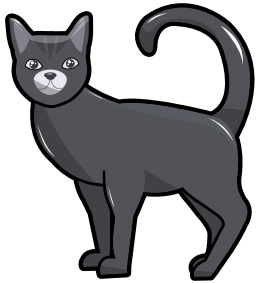
# Odd one out

Which one is the odd one out? Why?



# Odd one out

Which one is the odd one out? Why?



There may be lots of different answers but one **answer is the laptop** is the odd one out because it is the only one that is **not alive**.

**All plants and animals are living things.**

# Thinking Time....

How do we know if something is alive?

Talk about it with your partner.





# The 7 Life Processes

There are **7 things** that **all living things do**, we call these **life processes**. **All animals, including humans, do these and plants do too!** We can remember them with the help of **Mrs Gren**.

**M**ovement

**R**espiration

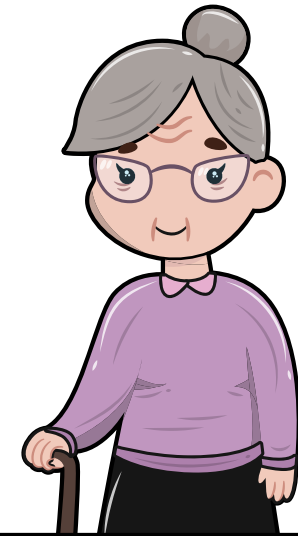
**S**ensitivity

**G**rowth

**R**eproduce

**E**xcretion

**N**utrition



**Mrs Gren**

# Partner Activity

You have got 7 definitions.

Can you match up each life process to its definition?

## Challenge

If you finish matching up, can you think about how animals do each of the life processes? What about plants?



# Partner Activity Answers

## Challenge

We will discuss the challenge on the next few slides.

Are there any words that you struggled with?



<b>Movement</b>	To move parts.
<b>Respiration</b>	Taking in a gas and giving out another gas.
<b>Sensitivity</b>	Being able to hear, smell, see, feel or taste.
<b>Growth</b>	To get bigger or taller.
<b>Reproduction</b>	Having offspring.
<b>Excretion</b>	Getting rid of waste.
<b>Nutrition</b>	Consuming food for energy.

# What do all living things do?

All living things can **move**.

**M**ovement

**R**espiration

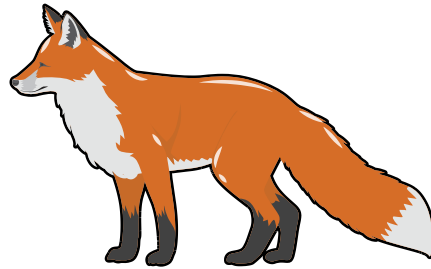
**S**ensitivity

**G**rowth

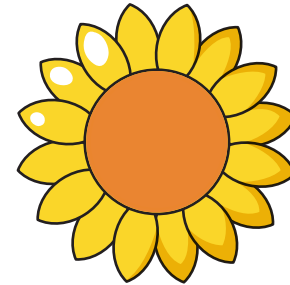
**R**eproduce

**E**xcretion

**N**utrition



**Animals and humans move to find food and escape danger.**



**Flowers move their heads towards the sun to get the most light.**

# What do all living things do?

All living things take in **gases** from the air.

Movement

Respiration

Sensitivity

Growth

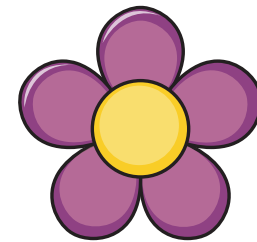
Reproduce

Excretion

Nutrition



Animals and humans breathe  
in oxygen and breathe out  
carbon dioxide.



Plants take in carbon dioxide  
through their leaves and  
give out oxygen.

# What do all living things do?

All living things have **senses**.

Movement

Respiration

Sensitivity

Growth

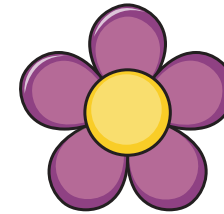
Reproduce

Excretion

Nutrition



Animals and humans have 5 senses. They use them to see, hear, smell, feel and taste.



Plants also have senses that can detect changes in the environment such as temperature.

# What do all living things do?

All living things **grow**.

**M**ovement

**R**espiration

**S**ensitivity

**G**rowth

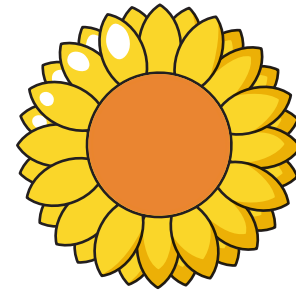
**R**eproduce

**E**xcretion

**N**utrition



Children grow approx. 7cm each year. Adult's hair grows approx 13cm a year and nails approx 1cm every 100 days.



Some types of sunflower can grow 3 and a half metres in 1 year!

# What do all living things do?

All living things have **offspring**.

Movement

Respiration

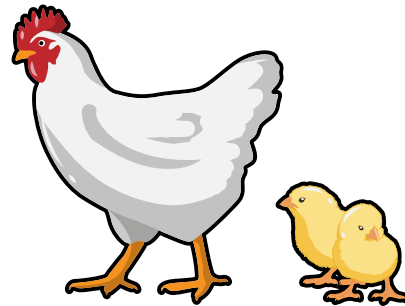
Sensitivity

Growth

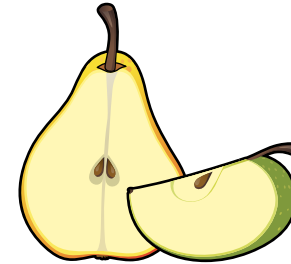
**Reproduce**

Excretion

Nutrition



Animals and humans have  
babies.



Plants have seeds which  
are planted to produce  
more.



# What do all living things do?

All living things get rid of their **waste**.

Movement

Respiration

Sensitivity

Growth

Reproduce

Excretion

Nutrition



Animals and humans get rid  
of waste on the toilet!



Excess gas and water leave  
plants through their leaves.

# What do all living things do?

All living things need **energy**.

**M**ovement

**R**espiration

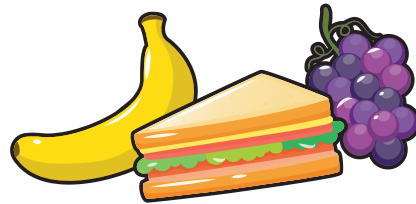
**S**ensitivity

**G**rowth

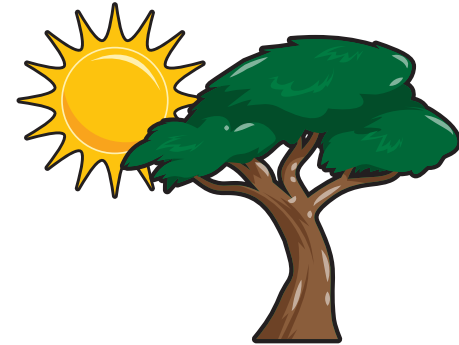
**R**eproduce

**E**xcretion

**N**utrition



Animals and humans get  
their energy from the food  
they eat.



Plants make their own food  
for energy using sunlight.

# Independent Activity

Now, you are going to use your knowledge to describe what each of these words mean.

Movement

Respiration

Sensitivity

Growth

Reproduce

Excretion

Nutrition

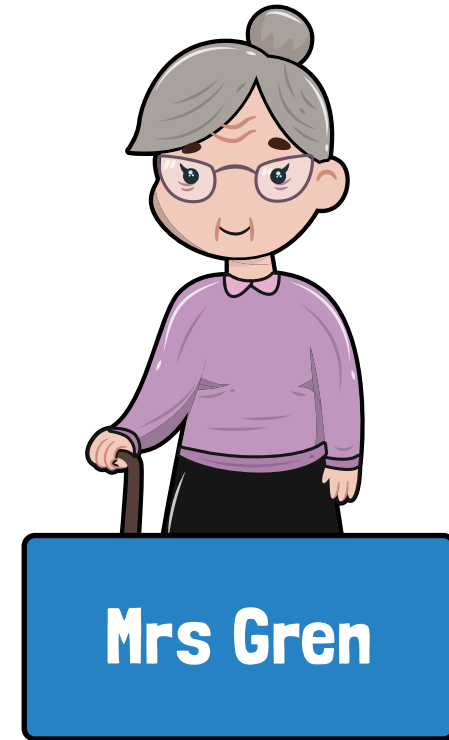


**Mrs Gren**

## What did we find out?

Can you remember what each of the letters meant? Tell your partner!

M  
R  
S  
  
G  
R  
E  
N



# What did we find out?

Can you remember what each of the letters meant? Tell your partner!

**M**ovement

**R**espiration

**S**ensitivity

**G**rowth

**R**eproduce

**E**xcretion

**N**utrition



**Mrs Gren**