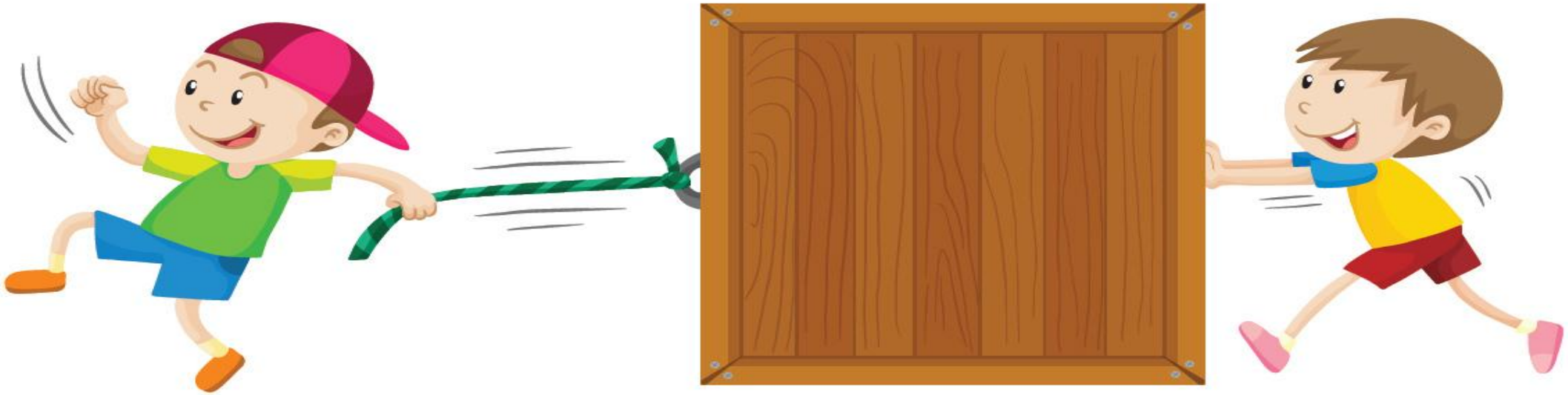
SESE

Forces

A force is a push or a pull.

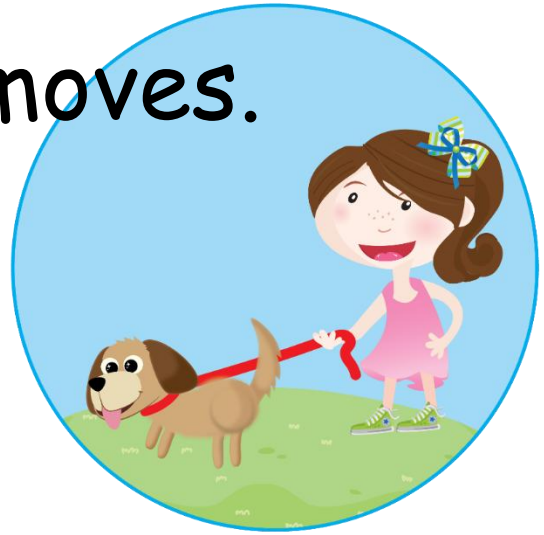


What is a Force?

When you push or pull you apply a **force**.

Push and pull and opposite **forces**.

The **force** changes the way the object moves.

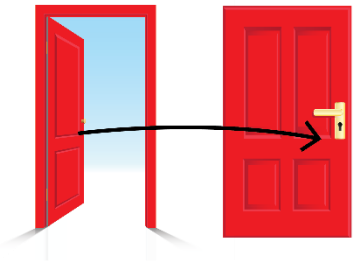


Push or Pull?

Stand up and mime each of the following actions. Discuss then decide if you are pushing or pulling. Or can you do both?

Using a wheelbarrow

Kicking a football



Closing a door

Using a screwdriver

What is a Push?

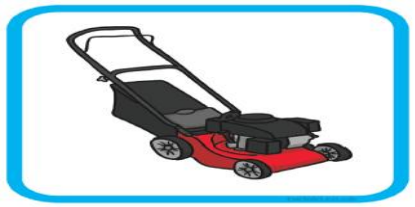
A push is a force moving something away from you.

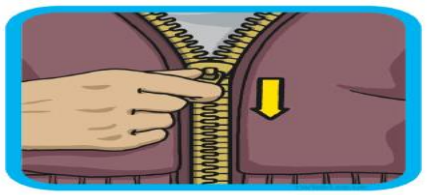
What is a Pull?

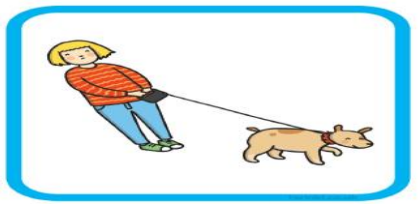
A pull is a force moving something towards you.

1. Can you sort these items into push/ pull or both. You can write this on your whiteboard or a piece of paper.

Push	both	Pull




Google Classroom task;

Can you find some toys around your home and sort them into push, pull or both piles?

Draw or upload a picture to Google Classroom.

Extension activity

Read the comprehension below answer the questions. Answer sheet on the next slide so you can check your answers.

Push and Pull

Cross-Curricular Focus: Physical Science

When an object is not moving, it is at rest. It will stay that way unless something makes it move. The power that makes other things move is called a force. A force can be a **push** or a **pull**. It changes the object's position.

When a force moves an object away from it, that is called a push. When a force moves an object toward it, that is called a pull. You can use pushes and pulls to move objects.

A soccer player sees the ball coming towards him. He can use a push to make it go where he wants it to go. In this case, the push is a kick. A little girl wants to give her stuffed animals a ride in her little red wagon. She uses a pull to make the wagon move along after her.

Every push and pull takes energy. The amount of energy and **strength** you need to move an object depends on how big the object is. Large objects need a large force to move them. Small objects only need a small force to move them.

Name: _____

Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers.

1) When an object is at rest, how will it begin to move?

_____

2) What are the two kinds of force called?

_____

3) What is it called when a force makes an object move closer?

_____

4) What is it called when a force makes an object move away?

_____

5) How does an object's size make a difference in push or pull?

_____

_____

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Name: Key

Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers.

Actual answers may vary.

1) When an object is at rest, how will it begin to move?

It will move when a force makes it move.

2) What are the two kinds of force called?

push and pull

3) What is it called when a force makes an object move closer?

pull

4) What is it called when a force makes an object move away?

push

5) How does an object's size make a difference in push or pull?

It determines the amount of energy and strength needed to move the object.