NAME: TEACHER:

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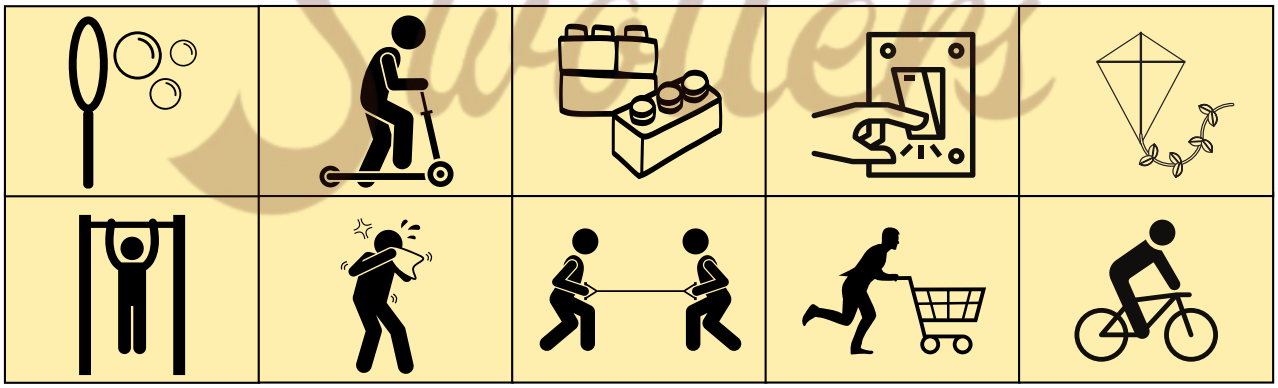
FORCES: Push and Pull Movement

Cut, sort and paste these objects into the correct box.

Push	Pull	Both



NAME: _____ TEACHER: _____

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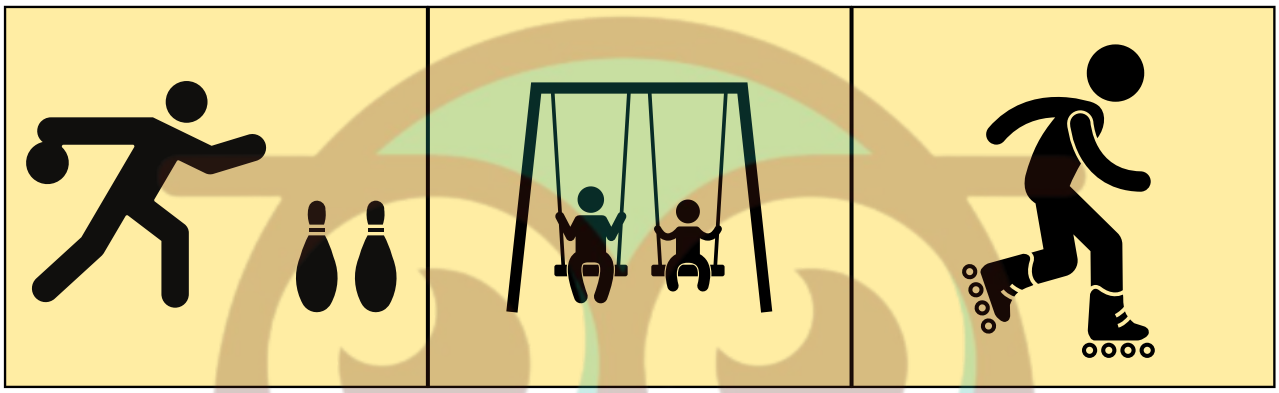
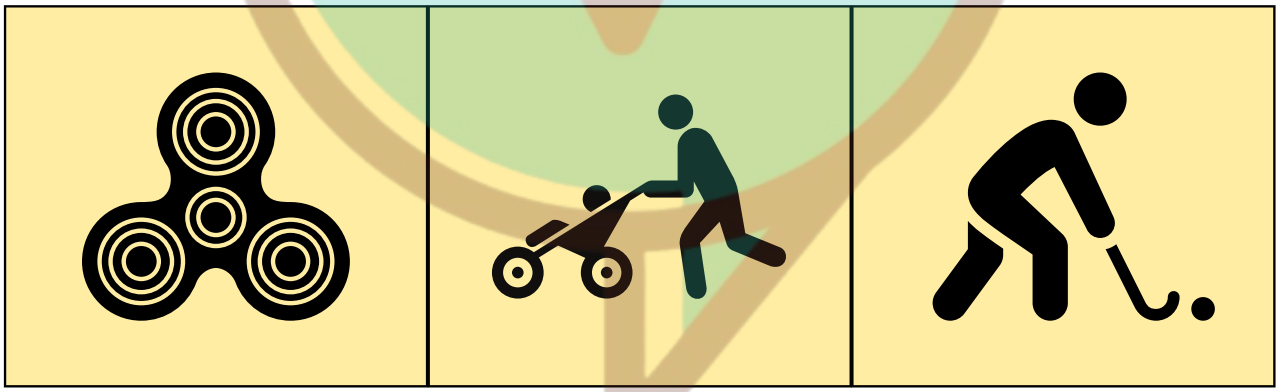
FORCES: Movement

What motion can you see in these pictures? Write them below:



_____ _____ _____



_____ _____ _____

Choose one and explain how it moves, in greater detail:

_____

_____

_____

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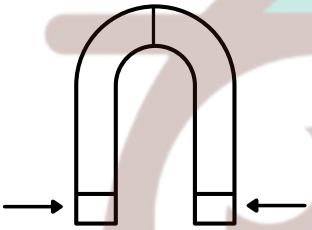
PUSH & PULL MAGNETS

Colour and label the magnet ends, using scientific terms:



Draw a magnet in the position to which it would align to the compass below. Label your magnet ends.

Using scientific terms, label the magnet's ends, and explain what happens when you change the combination of ends facing each other. Colour the magnets.

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PUSH & PULL MAGNETS

Using the scientific terms REPEL and ATTRACT, describe what happens when the different magnentic ends come together. Colour the ends.

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Simple Machines

Write the kind of simple machine that is represented in each picture.

A **pulley** has a wheel that can change the direction of the force. It moves things from a low area to a higher one, or high to lower.

An **inclined plane** allows you to move vertically, with less effort than if you moved straight up.

Levers allow you to lift more weight than you could on your own.

Wedges are a type of inclined plane and are used to lift or separate. Wedges are usually used to tear, cut, or break an object.

A **screw** allows circular movement to be translated into an up or down motion that takes up less horizontal space.

A **wheel and axle** reduces friction when you try to move something across a surface.

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Answer Key

Simple Machines

Write the kind of simple machine that is represented in each picture.

inclined plane

lever

pulley

wedge

wedge

screw

lever

inclined plane

wheel and axle

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OUR ENERGY SOURCES

We get the energy we use from a various sources.

Sort them according to whether it's renewable or non-renewable in the columns below.

SUNLIGHT
BIOMASS
ALCOHOL
AIR

WOOD
COAL
NUCLEAR ENERGY
PETROL

HYDRO ENERGY
BIOGAS
WIND
GEOTHERMAL

RENEWABLE	NON-RENEWABLE