



Push, Pull, Go!



Push, Pull, Go!

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Motion and Force

Things that move are all around us.

A door opens. A ball rolls. A frog jumps.

They are in motion.

They move from one place to another place.

The ball is in motion.



Motion is a change in a thing's position.

Force makes things change position.

You use force when you move things.

The girls use force to move the ball.



Kinds of Force

Pushes

A push is one kind of force.

A **push** is a force that moves things away from you.

A push moves the scooter.

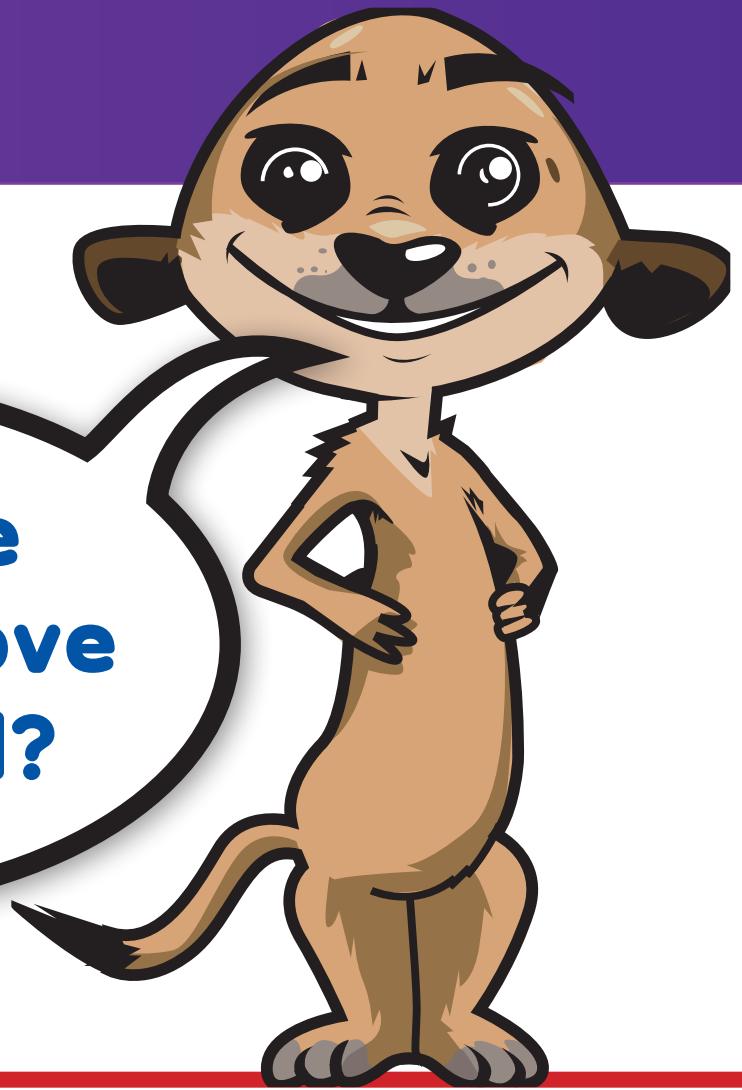


Pulls

A pull is another kind of force.

A **pull** moves things toward you.

What else can you move with a pull?



The boy pulls to move the wagon.

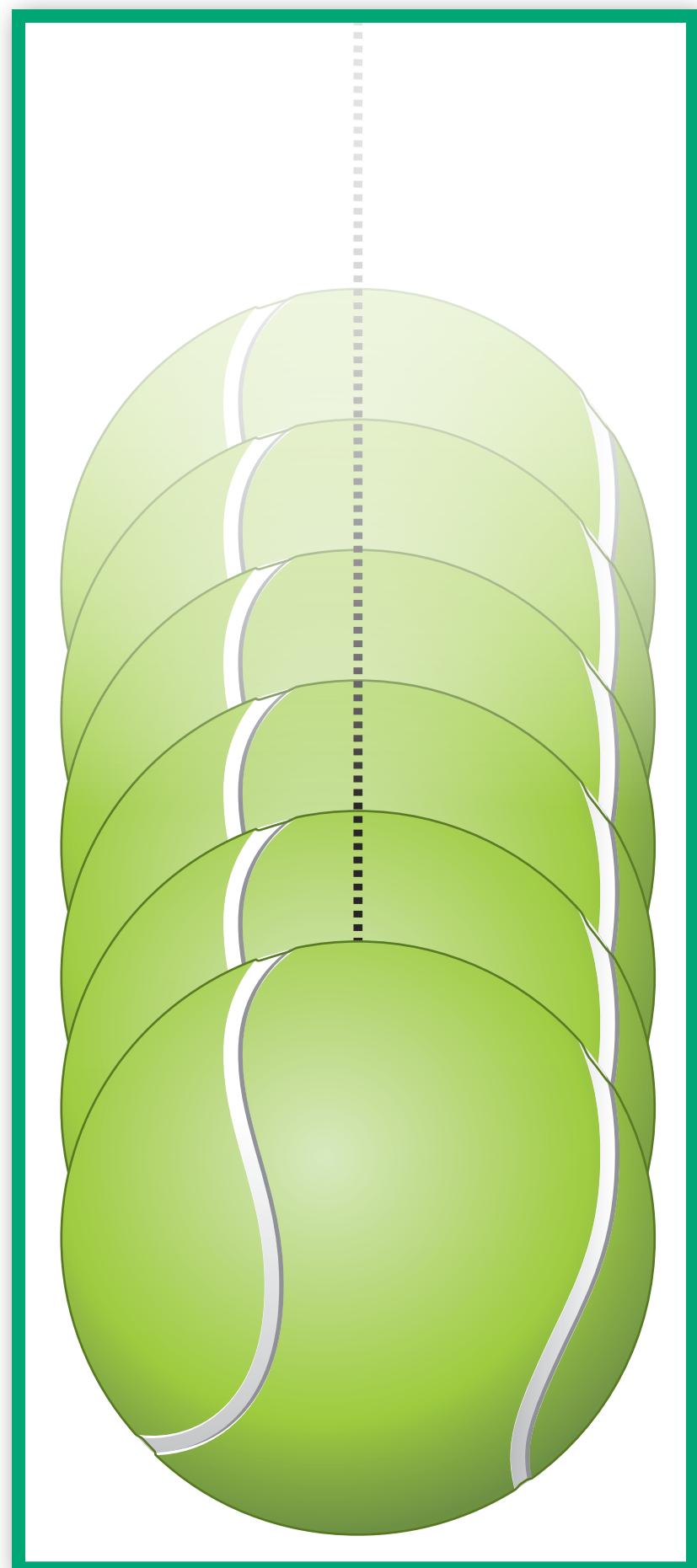


Gravity

Gravity is a force.

Gravity pulls things to the ground.

Drop a ball. Gravity pulls the ball to the ground.



Friction

Friction is a force. Two objects rubbing together make friction.

Friction slows down things that move.

Picture that you are on a slide.

Your clothes rub on the slide.

This rubbing makes friction.

Gravity pulls you to the ground. Friction slows you down.



Careers

Playground Builder

Some builders make playgrounds.

They make plans for play areas.

They shape places where children can run and climb.

They make things to push or pull.

They build things that swing, spin, and slide.



Glossary

direction

Direction is the path that an object takes.

distance

Distance is how far something moves.

force

Force is what makes an object change its position.

friction

Friction is the force that slows down moving things that touch.

gravity

Gravity is the force that pulls on objects near Earth.

motion

A **motion** is a change in an object's position.

pull

A **pull** is the force that moves something toward you.

push

A **push** is the force that moves something away from you.

speed

Speed is how fast or slow an object moves.

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