

Name _____ Homeroom _____

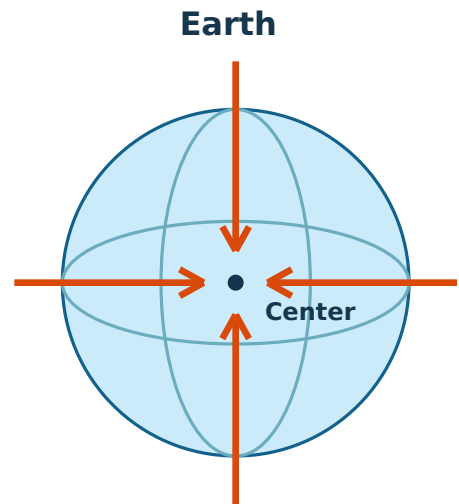
Gravity - Science Homework

NGSS 5-PS2-1 • Read, study the model, and use evidence.

What goes up... comes back down!

You toss a ball into the air. It rises, slows down, and falls back toward the ground. What pulls it back? Gravity! A force is a push or a pull. Earth's gravity is a force that pulls objects toward the center of Earth. It acts even when objects are not touching the ground.

Earth is shaped almost like a ball. Wherever you stand on its surface, "down" means toward its center. A person on the opposite side of Earth has a different down direction from yours. Both people are pulled toward the same center. Neither falls off into space!



Arrows show gravity's pull.

Model is not to scale.

Gravity pulls on a ball even while it moves upward. The ball slows, then falls. Falling rain, dropped pencils, and landing after a jump are evidence of Earth's pull. Evidence is an observation or fact that supports an explanation.

1. Word match

Draw a line from each word to its meaning.

Gravity	An observation or fact that supports an explanation
Force	Earth's pull toward its center
Evidence	A push or a pull

2. Fill in the blanks

Word bank: center • down

Earth pulls objects toward its _____. This direction is called _____.

3. Circle the best answer

What happens to gravity while a tossed ball is moving upward?

A. It stops. B. It keeps pulling toward Earth's center. C. It pushes upward.

4. Be a science detective

Claim: Earth's gravity pulls objects toward its center.

Use one example from the reading to explain why this claim makes sense.
