

Gravity Introduction

READ ALOUD PASSAGE

Gravity is a pulling force. It pulls things toward each other. Earth is very large, and its gravity pulls everything toward the center of the planet. That is why when you drop something, it falls down. It is being pulled toward Earth's center.

Gravity gives things weight. Weight is a measure of how strongly gravity pulls on something. A rock has more weight than a feather because it has more mass, so gravity pulls on it more strongly.

Gravity works the same way all around Earth. People who live in Australia are on the other side of the globe from us, but they do not fall off. Gravity pulls them toward the center of Earth too, just from a different direction. "Down" always means toward the center of Earth, no matter where you are standing.

Everything on Earth is affected by gravity, from tiny pebbles to huge boulders!

Activity 1

Because / But / So Complete each sentence three different ways.

Gravity pulls things toward the Earth because

.....

Gravity pulls things toward the Earth but

.....

Gravity pulls things toward the Earth so

.....

Activity 2

Circle True or False for each statement.

1. **True / False** Gravity pulls things toward the center of the Earth.
2. **True / False** People in Australia fall off the Earth because they are upside down.
3. **True / False** Weight is the measure of how hard gravity pulls on something

Activity 3

Start with the kernel sentence. Use the prompts to expand it into a more detailed sentence.

KERNEL SENTENCE Gravity pulls things.

Where?

What?

Write your expanded sentence:

Activity 4

Read each statement. Write two questions that could be answered by the statement.

STATEMENT Weight is a measure of how strongly gravity pulls on something.

Question 1:

Question 2:

STATEMENT People in Australia are pulled toward the center of the Earth, just from a different direction.

Question 1:

Question 2:
