

Kid Scoop

THE AWARD-WINNING PRINT & ONLINE FAMILY FEATURE



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What Goes Up Must Come Down

On Earth, gravity keeps the air around us (and everything else) from drifting off into space. Gravity pulls on everything—every rock, every grain of sand, every leaf and every person.

Newton's Apple

One day, according to a _____ story, a man named Sir Isaac Newton was _____ under an apple tree. An apple _____ on his head, and he suddenly _____ of the law of gravity.

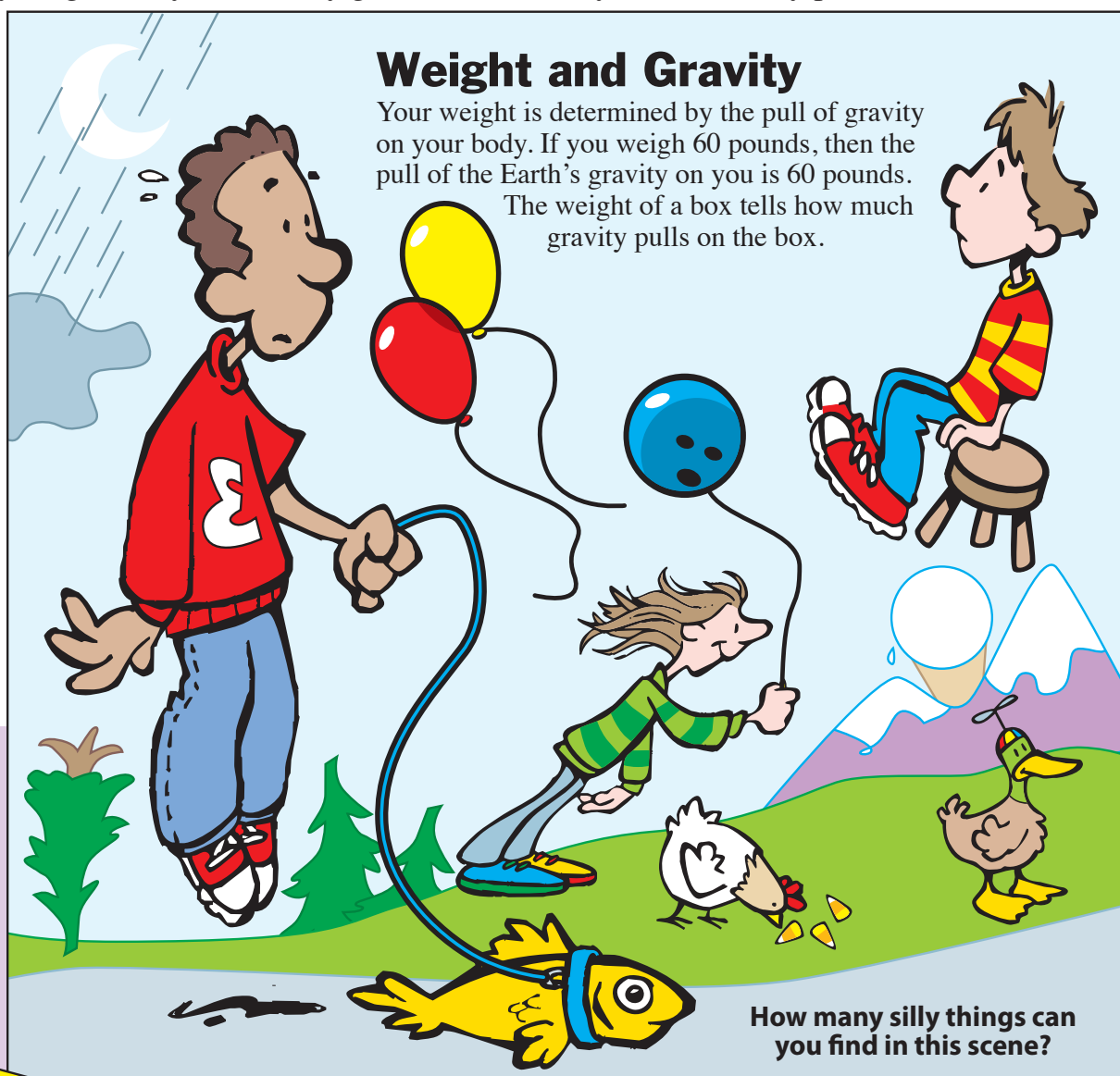
It is most likely that _____ years of _____ things falling to the ground were what led to the _____ insight he called Newton's Law of Gravity.

Whoops! Gravity has made some of the words in this article fall to the ground. Can you find where each word belongs?

- THOUGHT
- FELL
- SITTING
- SUDDEN
- OBSERVING
- POPULAR

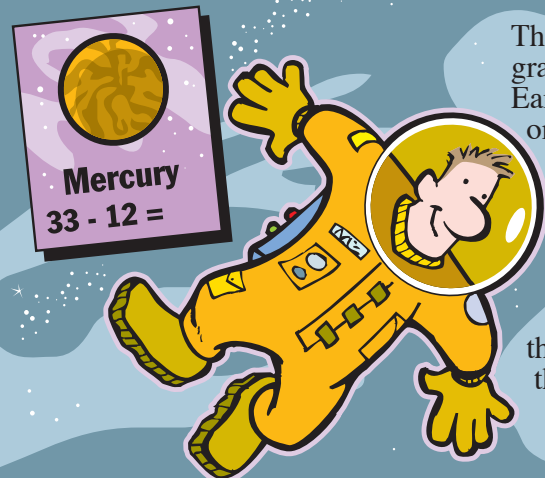
Weight and Gravity

Your weight is determined by the pull of gravity on your body. If you weigh 60 pounds, then the pull of the Earth's gravity on you is 60 pounds. The weight of a box tells how much gravity pulls on the box.



Standards Link: Earth Science: Students understand forces and know that gravity is not a physical object, but affects physical objects.

Weight Around the Solar System



The moon and the planets all have gravity. The moon has less gravity than Earth. That means you would weigh less on the moon, because less gravity pulls on you. If you weigh 60 pounds on Earth, you would weigh 10 pounds on the moon.

How many pounds would a 60-pound person weigh on each of these planets? Do the math to discover the answer.

Mercury 33 - 12 =	Neptune 45 + 40 =
Sun 8,370 + 8,370 =	Uranus 18 + 46 =
Venus 29 + 23 =	Saturn 97 - 29 =
Mars 18 + 5 =	
Jupiter 93 + 65 =	

Extra! Extra!

I Before E or E Before I?

Look through news articles for words that have the letters **i** and **e** next to each other. In the table below, list the words spelled with the **i** before the **e** in the left column. In the right column, list the words spelled with the **e** before the **i**.

i before e	e before i
niece	either

Standards Link: Spelling: Recognize spelling patterns and know exceptions to spelling rules.

Kid Scoop Puzzler

How many new words can you make using the letters in the words:

THE LAW OF GRAVITY

SCORE YOURSELF! 1 - 5 words: Language Lightweight
6 - 12 words: Rising Reader
13 or more words: Gravitational Greatness

Standards Link: Spelling: Spell grade-level appropriate words correctly.

Double Double Word Search

- DRIFTING
- GRAVITY
- PLANETS
- WEIGHT
- NEWTON
- SATURN
- BEFORE
- VENUS
- SPACE
- APPLE
- SOLAR
- SAND
- BODY
- MARS
- LAW

Find the words in the puzzle. How many of them can you find on this page?



Standards Link: Letter sequencing. Recognized identical words. Skim and scan reading. Recall spelling patterns.

FROM THE Kid Scoop LESSON LIBRARY

Who likes gravity?

Look through the newspaper for examples of gravity being a good thing. Then look for examples where less gravity would be useful. Make a list of what you would miss about gravity if you were on the moon.

Standards Link: Research: Use the newspaper to locate information.

What spacecraft is loud, fast and very crunchy?

ANSWER: A rocket chip.

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