



Fascinating Education Script
Fascinating Intro to Chemistry Lessons - Review

Intro to Chemistry Review - Lesson 1 - Forces

Slide 1: Lesson 1 Review

Slide 2: Lesson 1 - Question 1

What three forces push or pull without touching another object?



Gravity, magnetism, and electrical charges all push or pull without touching another object.

Slide 3: Lesson 1 - Question 2

Why do we think of gravity as always pulling downward?

Because we live on the surface of the earth, so no matter where we are along the surface of the earth, the gravity we feel is coming from right below us.



Slide 4: Lesson 1 - Question 3

What instrument do we use to find the magnetic north and south poles of the earth?

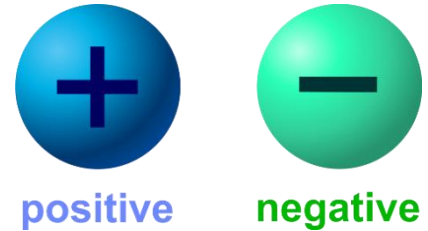
We use a compass. The arrow inside the compass is magnetic and points toward the north and south poles of the earth.



Slide 5: Lesson 1 - Question 4

What are the two kinds of electrical charges?

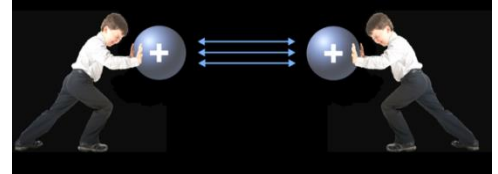
Positive and negative.



Slide 6: Lesson 1 - Question 5

What do two positive electrical charges do to each other?

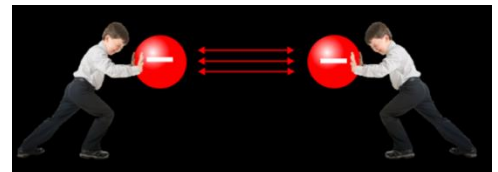
Two positives repel each other.



Slide 7: Lesson 1 - Question 6

What do two negative electrical charges do to each other?

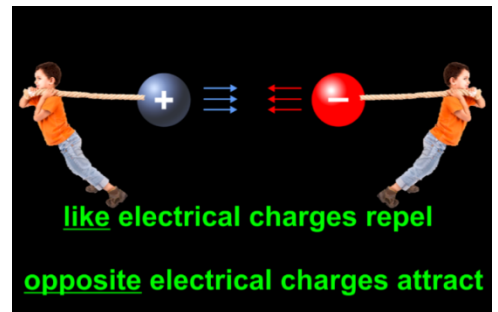
Two negatives also repel each other.



Slide 8: Lesson 1 - Question 7

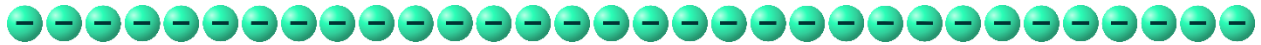
What do a positive and a negative electrical charge do to each other?

Positive and negative charges attract each other. The rule is that “like” electrical charges repel each other and “opposite” electrical charges attract each other.



Slide 9: Lesson 1 - Question 8

What do we call negative electrical charges when they're moving?

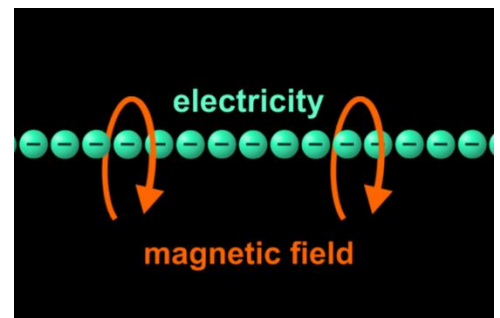


We call moving electrical charges "electricity."

Slide 10: Lesson 1 - Question 9

What develops around an electrical current?

A magnetic field develops around an electrical current.



Slide 11: Lesson 1 - Question 10

What are two ways to demonstrate a magnetic field around an electrical current?

A magnetic field around an electrical current can be detected with iron filings sprinkled around the wire carrying the current, or by showing that the needle of a compass moves when an electrical current starts flowing through the wire.

