

Geology & Earth Science

Water on Earth

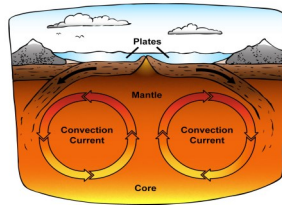


Just Around the River Bend: Name three landforms created by water flowing over earth's surface.

1. _____
2. _____
3. _____

Earthquakes

Modeling Convection Currents, Quakes, and Plates: What happens when stress and tension build up along a fault line?



Shaky Sediments: Liquefaction is when wet ground temporarily loses strength and acts like a liquid during an earthquake. (Circle one)

TRUE FALSE

Geology

Shake and Break Down: Two types of weathering include

chemical and _____.

Rock Detective: What type of rock did you discover?



Space Science

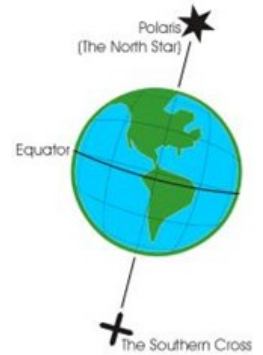
Room 205

The Fabric of Space-Time: What holds planets in orbit around the Sun?



How Big is the Moon?: The Moon is much smaller than Earth and the Sun, but it can still block the Sun during a total **solar / lunar** eclipse because of perspective. (Circle one)

Cooking up Comets: Name two ingredients that make up comets.



Meteorite Impact!: Name two variables that affect the size and shape of a crater.

Room 206

Moon Dance: An object spinning around on its axis is

_____.

An object circling around another object is _____.

Time of the Seasons: What causes seasons on Earth?



Space Science

Upstairs Hallway

Pocket Solar System: Name the planets in our solar system in order of their distance from the Sun:

- | | |
|------------|------------|
| 1. M _____ | 5. J _____ |
| 2. V _____ | 6. S _____ |
| 3. E _____ | 7. U _____ |
| 4. M _____ | 8. N _____ |

Working in Space: Circle the reasons that astronauts must wear protective spacesuits and gloves:

- A. It is cold in space
- B. There is no oxygen in space
- C. The spacesuit provides protection
- D. All of the above



Jumping on Jupiter: Our weight changes on other planets

because each planet has a different _____

which affects its _____.

Exercising in Space Do objects weigh more on Earth or on the Moon?



Geology & Earth Science

Geology continued

Fossil Discovery and Formation: What is the evidence of past life preserved on Earth?

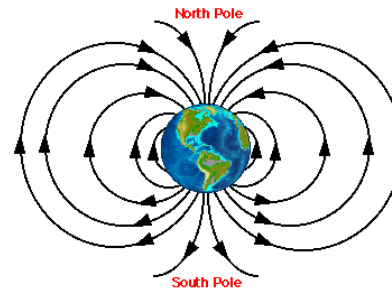
Volcano Loco: Which volcano erupts most violently? (Circle one)

- Cinder Cone
- Composite Cone
- Shield Cone



Magnetism

Exploring Magnetic Field Lines: Magnets have an invisible force field known as a _____.



TINS Migration on Earth: Name one way animals know where to go while migrating.



Weather & Climate

Air Pressure

Air is Everywhere: Air moves from areas of

_____ pressure to areas of

_____ pressure.



Stubborn Balloon: Does hot air or cold air take up more space?

HOT AIR or COLD AIR? (Circle one)

Cartesian Divers: Molecules of gas compress easier than molecules of liquid. (Circle one)

TRUE FALSE



Weather

Cloud in a Bottle: What causes clouds to form? Circle all that apply.

Air Pressure Condensation Water Vapor

Kissing Balloons: Blowing between the balloons creates a low pressure system which brings them together and results in what type of weather?



Thermal Spires: What causes air to rise?

Weather & Climate

Weather continued

Updrafts in Action: What two things are needed to create large hail?



Lightning Room: Lightning is an example of

_____ electricity.

The Rumbling Road: Which travels faster, LIGHT (lightning) or SOUND (thunder)?

Climate

Freak out! Is Tahoe weirding? According to the weather data, which date range experienced a higher frequency of weather and storm events? (Circle one)

1980-1999

2000-2019



Mini Greenhouse Effect: What greenhouse gas is released in this experiment?

Rising Sea: Is sea ice melting in the Arctic or Antarctic leading to rising sea levels?

Investigating Albedo: What absorbs more heat, dark pavement or a snowy glacier?