

Exhibits Exploration (Key)



1. The pendulum's swing appears to change direction because the ground (or Earth) is rotating beneath it.
2. What action can you do to make the largest seismic waves that are detected by the seismometer? Jump (or jump on the floor)
3. At the scale of the Earth Globe, the Moon would be 20 inches (52 cm) in diameter and located 188 feet (57 meters) away.
4. In the moon phase exhibit video, how many times does the Moon move through Earth's shadow during one orbit around Earth? 0
5. Charged particles streaming out from the Sun interact with Earth and other planets to produce Space Weather.
6. What will form when there is more water vapor in the air than it can hold?
A cloud (or clouds)
7. What two types of air motion act together to cause a tornado to form?
up draft and wind shear
8. In the spaces below, write the letter(s) corresponding to each planet in order from smallest to largest diameter.
Mercury (Me), Venus (V), Earth (E), Mars (M), Jupiter (J), Saturn (S), Uranus (U), Neptune (N)
smallest Me M V E N U S J largest
diameter diameter
9. Circle the word in each **bold word pair** that will make the following statement correct.
When you touch one of the cold objects in the Infrared Camera Exhibit, **heat** / ~~cold~~ flows ~~to~~ / **from** your hand **to** / ~~from~~ the cold object.
10. An astronaut on the surface of Jupiter's moon Io would receive a lethal dose of radiation in 4 hours.