

# Exhibits Exploration



1. The pendulum's swing appears to change direction because \_\_\_\_\_ is rotating beneath it.
2. What action can you do to make the largest seismic waves that are detected by the seismometer? \_\_\_\_\_
3. At the scale of the Earth Globe, the Moon would be \_\_\_\_\_ in diameter and located \_\_\_\_\_ away.
4. In the moon phase exhibit video, how many times does the Moon move through Earth's shadow during one orbit around Earth? \_\_\_\_\_
5. Charged particles streaming out from the \_\_\_\_\_ 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?  
\_\_\_\_\_
7. What two types of air motion act together to cause a tornado to form?  
\_\_\_\_\_ and \_\_\_\_\_
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 \_\_\_\_\_ 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 \_\_\_\_\_.