



**HERE.**



**THERE.**



**EVERYWHERE.**



**People in Shadow.**

When a light source is blocked, a shadow results. Here we see the familiar shadows from people on a beach whose bodies are blocking the light of the Sun from reaching the sand behind them.

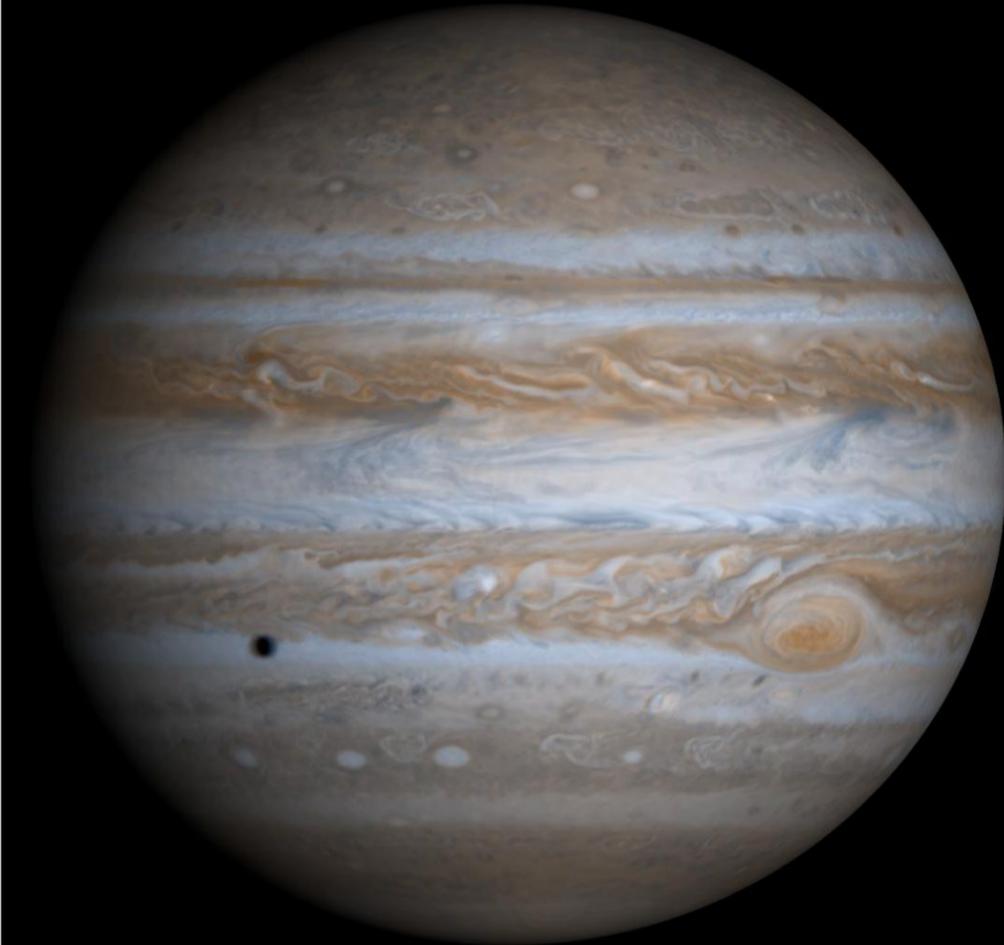
(Credits: Wikimedia Commons)



**Lunar Eclipse.**

The light we see from the Moon is produced by reflected light from the Sun. During a "lunar eclipse," the alignment of the Sun, Earth, and Moon causes the Earth to block the light from the Sun and cast a shadow over the Moon. Some light is bent by the Earth's atmosphere and does reach the lunar disk, producing the faint red glow.

(Credits: Wikimedia Commons)



**A Moon of Jupiter.**

Shadows occur on other planets as well. In this image, sunlight shining onto Jupiter is blocked by one of its moons as it passes over the face of the planet. A similar type of event takes place on Earth during a solar eclipse, when the Moon blocks the Sun's light and casts a shadow onto some portions of the Earth.

(Credits: Wikimedia Commons)

**LIGHT THAT DOES NOT PASS** You are relaxing with a book on a nice sunny day when a friend leans over your shoulder and the page goes dark. "Hey, you're blocking my light!" It is a familiar experience. Any time an object blocks the light from another source, it forms a shadow.

**BECAUSE WHAT HAPPENS HERE,  
HAPPENS THERE,  
HAPPENS EVERYWHERE.**

