

## SC 4.7 Solar System Study Guide

### Key Vocabulary:

**Planet:** objects that orbit a star, reflect light, but have no light source of their own, and dominate their orbit

**Orbit:** a predictable, consistent path around another object

**Terrestrial Planet:** made of rock

**Gas Giant Planet:** made of gas

**Dwarf Planet:** an orbiting object that either has an irregular orbit or that does not dominate its orbit (it shares orbital space with other objects.)

### Essential Questions:

*What are the planets in order from the sun?*

*Can you categorize the different types of planets (terrestrial vs. gas giant?)*






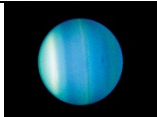
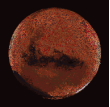
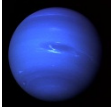
*Can you construct a model of our solar system based on the order and relative size?*

### Important Knowledge:

- Our solar system includes, a star, 8 planets, several dwarf planets, 170 named moons, dust, gas, asteroids, and comets.
- Planets orbit around the sun.
- The 8 planets in order of position from the sun:



- Terrestrial planets are made of rock.
- Gas Giants are made primarily of gas and they all have rings.

Terrestrial Planets		Gas Giants	
Mercury		Jupiter	
Venus		Saturn	
Earth		Uranus	
Mars		Neptune	

- The 8 planets in order of size:

