Name: _____ **Date: 2/27/18**

St. Mary School **6th Science**

Science: Solar System: Unit Test Study Guide

Lesson 1: Terrestrial Planets

List the order of the terrestrial planets in order of closest to furthest from the sun.

What is the composition of the terrestrial planets?

What is the range of temperatures on Earth?

Why do the temperatures on Earth make life possible as compared to other temperatures?

Compare the terrestrial planets and the gas giant planets below.

Terrestrial Planets	***Gas Giant Planets***

Identify the characteristics of the terrestrial planets:

	Characteristics
Mercury	
Venus	
Earth	
Mars	

Compare the sizes of the terrestrial planets:

Which is the largest?

Which is the smallest?

Which planet is considered “Earth’s twin”?

Describe the characteristics of the moon:

Lesson 2: Gas Giant Planets

List the order of the gas giant planets in order of closest to furthest from the sun.

What is the composition of the gas giant planets?

What is the difference in the composition of Uranus and Neptune?

Compare the sizes of the gas giant planets:

Which is the largest?

Which is the smallest?

Which planets are considered twins in size?

Identify the characteristics of the gas giant planets:

	Characteristics
Jupiter	
Saturn	
Uranus	
Neptune	

Lesson 3:

Sun

What is the composition of the sun and the percentages of each gas?

What are the three interior structures of the sun, in order from inner to outer?

How hot is the core of the sun?

What takes place in the core of the sun?

What happens to the energy produced in the core of the sun?

How is energy transferred through the radiative zone?

How is energy transferred through the convective zone?

What are the three layers of the sun's atmosphere in order from the inner layer to the outer layer and the characteristics of each?

What is the effect of the sun’s energy on the Earth?