

Name \_\_\_\_\_

Date \_\_\_\_\_

**9<sup>th</sup>/10<sup>th</sup> Science Cosmology Quiz Study Guide  
Spring 2010**

**Quiz Date: Wednesday, March 10<sup>th</sup>**

The following types of questions will be on the quiz:

What does it take to start a universe?

What is a **singularity**?

What was the **inflationary period** of the universe?

What **evidence** do we have of the **big bang** today?

What is **negative gravity**?

What were the **four forces** of nature established?

What are the main ideas about how energy is created and expansion occurs?

What do **hydrogen and helium** need in order to be created?

What is a **nebula cloud**?

What is the **shape of the Earth's orbit** around the sun? Draw a diagram and Explain

What are the phases of the moon? Draw and label

How many days does it take the moon to orbit the Earth?

Why is it hotter in the summer and colder in the winter in the Northern Hemisphere?  
Draw a diagram and label.

What causes the phases of the moon? Draw a diagram and label or explain with sufficient detail.

What is the force that keeps the moon orbiting the Earth?