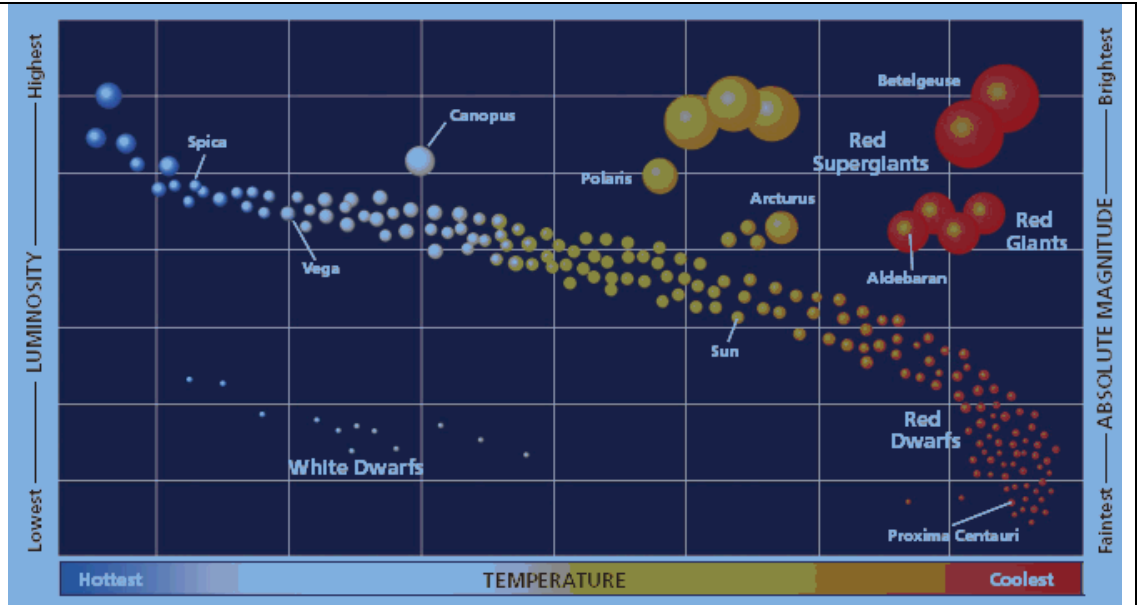


The Universe Study Guide

Name _____ Science-8 Period ____ Teacher _____ Date _____

Differentiate between rotation and revolution.	
What is the cause of seasons on Earth?	
Define orbit.	
How do scientists predict the locations of planets or comets at any given time?	
Differentiate between mass and weight.	
Define galaxy.	
List and describe the 3 types of galaxies.	
What is the name and shape of our galaxy?	
List galaxy, planet, solar system, and universe in order from smallest to largest.	
What is a star?	
How do we classify stars?	
What tool (chart) do scientists use to help organize information about stars?	

Use the diagram at left to answer the next 4 questions.



Which named star is the hottest?

Name the brightest star on the diagram.

In which group is the greatest number of stars?

What is the name of a red giant star?

Explain the Doppler shift.

Explain the most common scientific theory for the formation of the universe.


What evidence do scientists use to support the Big bang Theory?

What is a "light-year" and why do we use it?

What phase of the moon is this?



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What phase of the moon follows the 1 st quarter?	
Draw and name the phase of the moon that follows a full moon.	
Name and describe the two types of eclipses.	
What causes tides?	
Define spring	