## **Characteristics of Stars: The H-R Diagram**

(ESRT page 15)

Directions: Use the HR diagram on from page 15 of the ESRT to answer the questions about stars in our GALAXY.

1. Fill in the	e spaces below to descr	ibe certain characteristics	s of our Sun.		
	Size (S,M,L):				
2. What type	of star would Procyon B	be classified as?			
<ol><li>According to the diagram, what is the definition of "luminosity"?</li></ol>					-
	given on the HR diagram of the star that is the ho				
5. Give two pro	operties of a White Dwar	f star.			
6. How many	y times brighter is Betelg	euse than our Sun			
	color of the stars in orde ing temperature.	r of			
8. What is	the approximate temper	ature of Barnard's Star?			
9. Compare	d to the Sun, Aldebaran	is: (circle all that apply)			
	hotter	cooler	brighter		
	larger	smaller	dimmer		
10. What property of a star can be inferred based on its color?					
11. Which property of a star is related to its luminosity? (1) color (2) temperature (3) size (4) shape					