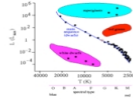


Worksheet:  
H-R Diagram



Name	_____
Date	_____
Period	_____ Table _____

Use the diagram to the right to answer the following:

Most stars belong to this category:

\_\_\_\_\_ 1.

Which star is the brightest white dwarf?

\_\_\_\_\_ 2.

Which star is hottest supergiant?

\_\_\_\_\_ 3.

What color is Deneb?

\_\_\_\_\_ 4.

What temperature is Sirius B?

\_\_\_\_\_ 5.

\_\_\_\_\_ 6. This star is a red **Giant**.

\_\_\_\_\_ 7. What temperature is Bernard's Star?

\_\_\_\_\_ 8. Which star is the dimmest (least bright) on the chart?

\_\_\_\_\_ 9. What category is the hottest star on the chart?

\_\_\_\_\_ 10. What color are the coolest stars?

\_\_\_\_\_ 11. What category of stars is hot but not very luminous?

\_\_\_\_\_ 12. If you know a star's color, you can determine its \_\_\_\_\_.

\_\_\_\_\_ 13a. The H-R Diagram is based on what two criteria?

\_\_\_\_\_ 13b.

Looking at the Main Sequence category, state a relationship between these two criteria:

14. \_\_\_\_\_

\_\_\_\_\_

