

# 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?

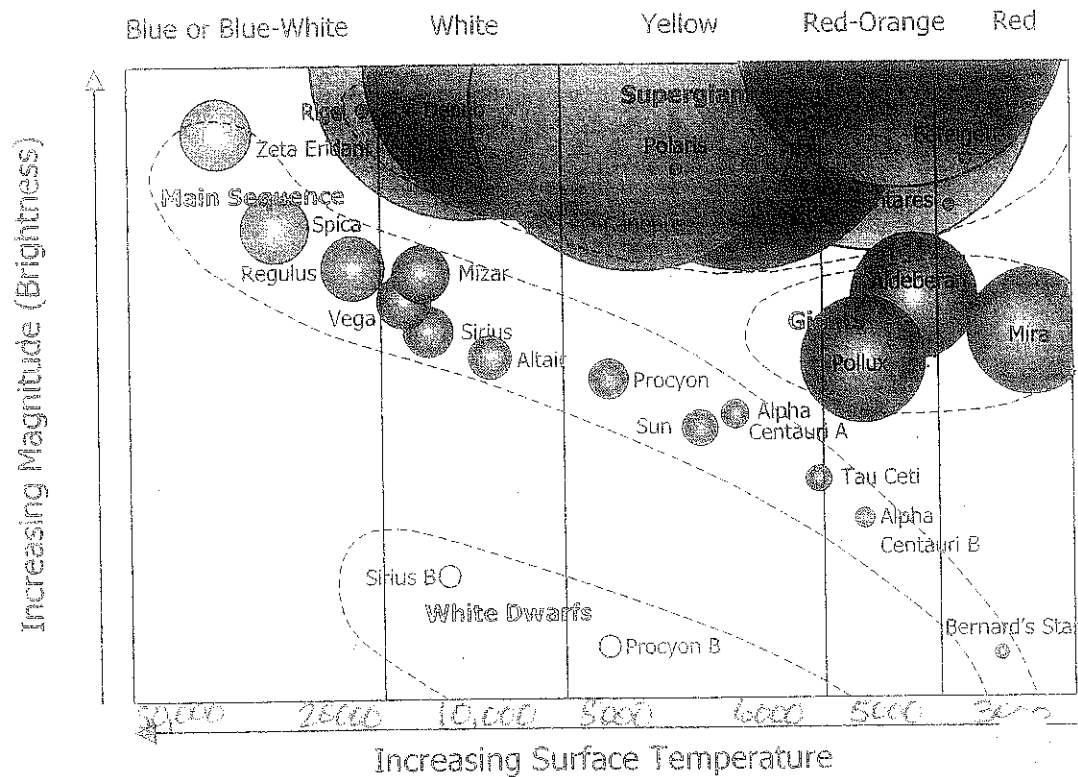
**Star A** = 4,000 °C and low/medium brightness

**Star B** = 6,000 °C and high brightness

**Star C** = 20,000 °C and low/medium brightness

**Star D** = 6,000 °C and medium brightness

Identify the type/color for each star:



Star:	Color:	Type:
Star A		
Star B		
Star C		
Star D		