Ch 30.2: Properties of Stars Notes

1. Distance
   1. Describe how astronomers use parallax to find distance.
   2. What are common units of distance in astronomy?
2. Mass
   1. Describe how astronomers determine the mass of stars in the binary using binary stars.
   2. How common are binary stars in the Milky Way galaxy?
3. Temperature/Color
   1. Describe two ways a flame is similar to stars.
   2. What color star has more energy? Less energy?
4. Brightness
   1. Apparent Magnitude –
   2. Absolute Magnitude –
   3. What is a limiting factor of absolute magnitude?
   4. Luminosity –
   5. Brightness –
   6. Compare and contrast luminosity and brightness. Include units.
   7. Draw a Hertzprung-Russell Diagram and label the axes.
   8. Variable Stars –
      1. Cepheid Variables –
      2. Nova –

* Predict and answer 3 test questions from the notes you took above.

1.

2.

3.