

Name _____

Lives of the Stars notes

1. What do stars form from and where do they form?

2. What is the initial reason why the particles within the nebula begin to "clump" together? _____

3. What causes the center of the "core" to heat up?

4. When does a protostar begin the nuclear reaction (fusion) in its core?

5. What supplies the nuclear energy within the newly formed star?

Most Massive Star

6. What determines the size, color, and temperature of a star?

7. What is the color and surface temperature of the most massive star?

8. How much more mass than our Sun _____ how much bigger (radius) _____ how much brighter _____

Stars of Spectral Classes B to M

9. What color is our sun? _____ what class is it in?

_____ what is the surface temp? _____

10. What color is the hottest star? _____ Coolest star? _____