Name:
Date:
Blk:

The Universe: Life & Death of a Star

Forces of Gravity

1. How many stars are in our galaxy?

2. What is the key component (element) found in stars?

3. What is a star constantly at war/fighting with?

4. In what state do stars spend most of their life cycle? (Our sun is currently in this phase)

5. What are the most common types of stars in our universe?

6. This type of star has a surface temperature of 45,000°F and is up to 20 times the mass of the sun.

7. How long will our Sun live?

White Dwarfs (After 2nd Intro Frame)

8. What is a white dwarf?

9. It is which stage of the star's life cycle will it be a white dwarf?

10. What can a white dwarf do to its companion star?

All from the Stars (After 3rd intro frame)

11. Where did the elements in your body originally come from?

12. How big are neutron stars?

13. How much would a Teaspoon of neutron star weigh? How much would a 150 pound person weigh?

14. What is formed when a star finally dies and collapses?

15. Can things be sucked into black holes?

Explosive Collisions Stars (After 4th intro frame)

16. What do these super large stars produce?

17. What happens when 2 neutron stars collide? What is produced?

18. What is the chance of a collision between the sun and another star?

Failed Stars (After 5th intro frame)

19. What are "blue stragglers"?

20. Which types of stars are known as "failed stars," they don't have enough mass to create energy?