

Name \_\_\_\_\_  
School \_\_\_\_\_ Team No. \_\_\_\_\_ Raw Score \_\_\_\_\_ Place \_\_\_\_\_

REACH FOR THE STARS  
2008 Mentor Invitational

Identify the constellations that are labeled by letters on the star chart.

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_
- G. \_\_\_\_\_
- H. \_\_\_\_\_
- I. \_\_\_\_\_
- J. \_\_\_\_\_
- K. \_\_\_\_\_
- L. \_\_\_\_\_
- M. \_\_\_\_\_
- N. \_\_\_\_\_
- O. \_\_\_\_\_

Identify the stars and deep sky objects labeled by numbers on the star chart.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_

Name \_\_\_\_\_  
School \_\_\_\_\_ Team No. \_\_\_\_\_ Raw Score \_\_\_\_\_ Place \_\_\_\_\_

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

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

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

Explain what happens to the most massive stars in our universe at the end of their lives and indicate how mass influences the length of life of a star.

A \_\_\_\_\_  
B \_\_\_\_\_  
C \_\_\_\_\_  
D \_\_\_\_\_  
E \_\_\_\_\_  
F \_\_\_\_\_  
G \_\_\_\_\_  
H \_\_\_\_\_  
I \_\_\_\_\_  
J \_\_\_\_\_  
K \_\_\_\_\_  
L \_\_\_\_\_  
M \_\_\_\_\_  
N \_\_\_\_\_  
O \_\_\_\_\_  
1 \_\_\_\_\_  
2 \_\_\_\_\_  
3 \_\_\_\_\_  
4 \_\_\_\_\_  
5 \_\_\_\_\_  
6 \_\_\_\_\_  
7 \_\_\_\_\_  
8 \_\_\_\_\_  
9 \_\_\_\_\_  
10 \_\_\_\_\_  
11 \_\_\_\_\_  
12 \_\_\_\_\_