

Name: _____

Date: _____

Red Giants

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| 1. unstable after middle age, a star runs out of fuel for nuclear reactions and becomes a brilliant star called: | A. core |
| 2. middle age stars burn hydrogen gas in their cores to make: | B. Betelgeuse |
| 3. When the hydrogen in the core is gone it burns the hydrogen in a shell around the | C. lighter |
| 4. Nuclear reaction that happens when a star begins to burn the helium it previously made | D. carbon and oxygen |
| 5. The New different nuclear reaction makes other elements including | E. hydrogen gas |
| 6. The changes in nuclear reactions make the stars | F. Mercury, Venus, Earth |
| 7. Star 300 and 400 times the diameter of our Sun | G. different nuclear reaction |
| 8. Betelgeuse has a visible central hot spot and a thin outer shell of | H. faster |
| 9. Our star, the sun, will last longer than the blue-white stars because it is | I. planets |
| 10. Heavier blue white stars shine so brightly burn fuel | J. helium |
| 11. When our star, the sun turns to a red giant it will engulf the | K. unstable |
| 12. The planets that will burn to a crisp when our Sun is a red giant | L. red giant |