

ANSWER KEY:

Section A:

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|---------------------------|----------------------------------|
| 1. Tycho's SN remnant | 2. Supernova |
| 3. Cassiopeia | 4. A |
| 5. White Dwarf | 6. 30 Doradus (Tarantula Nebula) |
| 7. I,M | 8. E |
| 9. Red Giant, White Dwarf | 10. A, Cassiopeia; H Cygnus |
| 11. M15 | 12. Globular Cluster |
| 13. J | 14. X-ray Binary System |
| 15. Helix Nebula | 16. Planetary Nebula |
| 17. White Dwarf | 18. 1 solar mass star |
| 19. B | 20. Hubble |

Section B:

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|------------------------|---------------------------------|
| 1. Radio | 2. Cygnus |
| 3. Supernova | 4. Supernova |
| 5. Quasars | 6. V |
| 7. Q | 8. Milky Way Galaxy |
| 9. Sagittarius A | 10. Black Hole |
| 11. Pulsar | 12. Vela SN Remnant, W |
| 13. O | 14. G2920 + 1.8 |
| 15. Strange Quark Star | 16. Cone Nebula |
| 17. Open Cluster | 18. X |
| 19. N44C | 20. Pulsar (strange quark star) |

Section C:

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|---------------------------|-------------------------------|
| 1. B | 2. N |
| 3. Globular Cluster | 4. 7 |
| 5. Old | 6. White Dwarfs on HR diagram |
| 7. Red Giant, White Dwarf | 8. D |
| 9. 10 | 10. 11 |
| 11. 14 | 12. A |
| 13. 2 | 14. B |
| 15. Young | 16. G |
| 17. 3,4 | 18. C |

Section D:

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| 1. D | 2. B |
| 3. D | 4. 17 |
| 5. D,M | 6. It is not on the HR diagram |
| 7. N,L,M | 8. B |
| 9. A | 10. Main Sequence |