

Perimeter Dark Matter Online Game

Answers - Worksheet #1

1. a. Black hole



b. Dark matter



c. Star



d. Brown dwarf



2. d 3. a 4. b 5. a 6. a 7. a 8. d 9. a 10. d 11. d

Answers - Worksheet #2

1. a. Black hole



b. Dark matter



c. Star



d. Brown dwarf



2. d 3. a 4. a 5. d

6. stars

7. redshift is the *decrease* in frequency of light observed from an object that is moving away from an observer
blueshift is the *increase* in frequency of light observed from an object that is moving away from an observer

8. gravitational attraction; Both systems involve a lesser mass orbiting around a larger mass due to the gravitational force exerted on the lesser mass (planet or star) by the larger mass (Sun or galaxy)

9. mass, does not emit or reflect light