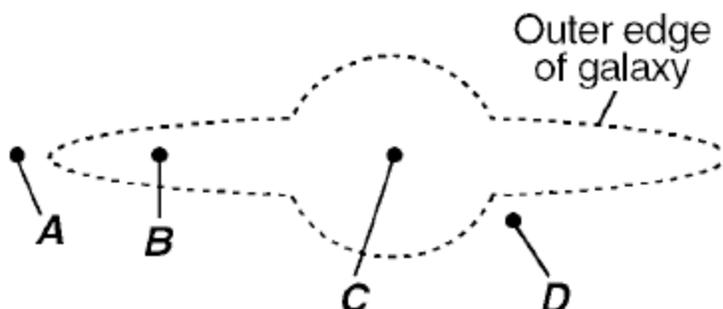


Name: _____

Date: _____ Period: _____

Worksheet: Galaxies and Stars

The diagram below represents a side view of the Milky Way Galaxy.



- At approximately which position is Earth's solar system located?
 - A
 - B
 - C
 - D
- Which of the following stars has a temperature of approximately 9,000 K and luminosity about 1 to 20 times greater than the Sun's luminosity?
 - Sirius
 - Procyon
 - Rigel
 - Polaris
- Which of the following types of stars is considered part of the main sequence?
 - Supergiants
 - Red giants
 - Red dwarfs
 - White dwarfs
- Which of the following stars is cooler than the Sun?
 - Procyon B
 - Rigel
 - Barnard's Star
 - Sirius
- The Sun is classified with which of the following types of stars?
 - Supergiants
 - Red giants
 - Main sequence
 - White dwarfs

Worksheet: Galaxies and Stars

6. Which of the forces listed below is most responsible for the formation of stars?
 - a. Gravity
 - b. Magnetism
 - c. Electromagnetism
 - d. Light

7. The Milky Way galaxy is best described as
 - a. a type of solar system
 - b. a constellation visible to everyone on Earth
 - c. a region in space between the orbits of Mars and Jupiter
 - d. a spiral-shaped formation composed of billions of stars

8. Which star has a higher luminosity and a lower temperature than the Sun?
 - a. Rigel
 - b. Barnard's Star
 - c. Alpha Centauri
 - d. Aldebaran

9. Compared to the temperature and luminosity of the star Polaris, the star Sirius is
 - a. hotter and more luminous
 - b. hotter and less luminous
 - c. cooler and more luminous
 - d. cooler and less luminous

10. Compared to other groups of stars, the group that has relatively low luminosities and relatively low temperatures is the
 - a. Red Dwarfs
 - b. White Dwarfs
 - c. Red Giants
 - d. Blue Supergiants