

Ch 13 Lesson 3 Reveiw

1) Which statement best describes the location of Earth's solar system?

- A) Earth's solar system is located at the center of the Milky Way, a spiral galaxy.
- B) Earth's solar system is located at the center of the Milky Way, an irregular galaxy.
- C) Earth's solar system is located on an arm of the Milky Way, a spiral galaxy.
- D) Earth's solar system is located at the edge of the Milky Way, an elliptical galaxy.

2) A group of scientists were observing the night sky using a powerful telescope. One of the scientists came across a galaxy and was unsure how to classify it. Examine the photo of the galaxy.



How should the scientist categorize the galaxy in the photo?

- A) an elliptical galaxy
- B) an irregular galaxy
- C) a spiral galaxy
- D) a solar galaxy

3) Which statement best describes galaxies?

- A) They may contain a few hundred stars in a space slightly larger than the solar system.
- B) They contain only one star but hundreds of planets.
- C) They are similar in size to the solar system.
- D) They may contain billions of stars in a space much larger than our solar system.

Ch 13 Lesson 3 Review

4) Which statement describes how astronomers can **best** analyze dark matter?

- A) analyzing the X-rays and gamma rays it emits
- B) observing how its gravity affects other objects
- C) determining the speed and direction of its motion
- D) measuring the temperature fluctuations within it

5) Which of the following is **NOT** true about the Milky Way?

- A) It is a spiral galaxy.
- B) It has more than 800 billion stars.
- C) It is a member of the Local Group.
- D) It is about 100,000 light-years across.