

IDENTIFY THE CELESTIAL OBJECT

(20 points)

Name _____ Date _____ Moravian University

Instructions: The following astronomical images found on the bulletin boards to the left of Room 106, Collier, represent some common types of objects found in the universe. You will be observing similar objects on Moravian's Sky Deck and at Shooting Star Farm during the semester, but they will look very different than the colorful pictures that are present on the bulletin board. Some of the images were taken with the Hubble Space Telescope, but most of the smaller pictures were imaged by an amateur astronomer. Define the following words listed below to help you in your quest to identify these objects. Some of the words will be used many times while others may not be used at all. For Question 9 on the *Interstellar* poster, identify the person in the credits who recently won the Nobel Prize in Physics for the detection of gravity waves. **Google pictures of these basic types of objects to help you in your quest.**

1. **Planet** (four parts): An object...
2. **Star** (Think about energy production here):
3. **Nebula**—there are dark nebula and emission nebula—include both in your general definition:
4. **Planetary Nebula:**
5. **Galaxy** (Note the number of stars—and the different shapes along with the definition):
6. **Irregular/Spiral/Elliptical Galaxies—Your Choices:** (size—small, mid-sized, huge; age—young, old, combination; shape, pinwheel, oval, no specific shape; gas remaining—little, lots, in arms
Irregular: size: age: shape: gas remaining:
Spiral: size: age: shape: gas remaining:
Elliptical: size: age: shape: gas remaining:
7. **Universe:** All...
8. **Electromagnetic Spectrum** (speed of travel): All energies...

9. **Globular Cluster** (Age and number of stars are key here):

10. **Open Cluster** (Age and number of stars are key here):

11. **Star Field**: A general wide field area of the sky showing stars or other objects of interest.

12. **Supernova Remnant**: The expanding shell of debris which follows the detonation of a massive star signally the end of its thermonuclear life. The remaining object is generally a neutron star.

IDENTIFY THE TYPE OF CELESTIAL OBJECT FROM THE PICTURES

INSTRUCTIONS: All objects will have a minimum of **two words**—Use the definitions on the previous page

No.	Type of Object	No.	Type of Object
1		21	
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