

Cosmic Treasure Hunt

Name: _____

Let's begin by learning more about different objects in astronomy and our peers at the same time. Share and discuss your astronomy images with someone at your table. Share guesses as to what each of your objects are, then share with a different person at your table. Guess what each object is, small objects could be asteroids or planets and larger ones could be galaxies, nebulae, or star clusters. There are many more types of objects, a list starts at the bottom of this page.

Names of your objects: 1: _____ Guess: _____ 2: _____ Guess: _____

Name of 1st person you work with at your table: _____

Names of their objects: 1: _____ Guess: _____ 2: _____ Guess: _____

Name of 2nd person you work with at your table: _____

Names of their objects: 1: _____ Guess: _____ 2: _____ Guess: _____

Name of 3rd person you work with at your table, if applicable: _____

Names of their objects: 1: _____ Guess: _____ 2: _____ Guess: _____

Time to get up! Continue to take your images to different tables until you've met everyone. Some images can belong to more than one category; some categories have more than one image.

Write in your guesses below, it's ok to have more than one for each option and it's ok to put the same name in multiple places, there is no penalty for wrong guesses. It's ok to make mistakes, this is all new!

1. Comet:

name of object for your guess: _____ name of person who has this object: _____

2. Gravity Waves:

name of object for your guess: _____ name of person who has this object: _____

3. Planet:

name of object for your guess: _____ name of person who has this object: _____

4. Dwarf Planet:

name of object for your guess: _____ name of person who has this object: _____

5. Star:

name of object for your guess: _____ name of person who has this object: _____

6. Black Hole:

name of object for your guess: _____ name of person who has this object: _____

7. Moon:

name of object for your guess: _____ name of person who has this object: _____

8. **Galaxies:** 8.a) Interacting Galaxies

name of object for your guess: _____ name of person who has this object: _____

8.b) Barred Spiral Galaxy:

name of object for your guess: _____ name of person who has this object: _____

9. **Clusters:** 9.a) Galaxy Cluster

name of object for your guess: _____ name of person who has this object: _____

9.b) Galaxy Supercluster

name of object for your guess: _____ name of person who has this object: _____

9.c) Globular Star Cluster:

name of object for your guess: _____ name of person who has this object: _____

9.d) Open Star Cluster

name of object for your guess: _____ name of person who has this object: _____

10. **Nebulae:** 10.a) Planetary Nebula

name of object for your guess: _____ name of person who has this object: _____

10.b) H II Nebula

name of object for your guess: _____ name of person who has this object: _____

11. Known Universe:

name of object for your guess: _____ name of person who has this object: _____

12. Bok Globules:

name of object for your guess: _____ name of person who has this object: _____

13. Quasar:

name of object for your guess: _____ name of person who has this object: _____

14. Interstellar Object:

name of object for your guess: _____ name of person who has this object: _____

15. Pulsar:

name of object for your guess: _____ name of person who has this object: _____

What's what? Time to figure out which images are which. Gather your images and we will all review them as a class to learn what is what. Feel free to ask questions about the different objects as we discuss them.

[Wrap up with this survey](#) (This link is on the class website and on Canvas)

Share what you want to learn in this class with me so we can personalize our learning experiences to some degree.

Remember your homework for tonight is to download Stellarium from Punahou Self Service onto your computer – make sure you can open it. There is an app as well and you are welcome to also download that to your phone, but we will be using computers for our journey through the stars next class with Stellarium.

Check the website for more information: fizzixprof.com