



Galaxy Sorting!

Part One

1. Pick one galaxy. Which is it, and what are three things you notice about this galaxy from its picture?

2. Now, try to find another galaxy that looks the most similar to the galaxy you chose. Which is it, and what are two things they have in common? What is different?

Part Two

Now, with your teammates, work together to start sorting all of the galaxies into **3-5 (or more!!) different groups or categories**.

Think about:

- How many things should galaxies in a category have in common?
- What differences do you still see between galaxies in the same category?
- How could you adapt your organizational scheme to account for these differences?
- Are there any galaxies that don't easily fit into your categories?

For each group:

1. List at least 5 galaxies included in this category

Group 1:

Group 2:

Group 3:

Group 4:

Group 5:

2. List 2-3 properties that galaxies in this group have in common.

Group 1:

Group 2:

Group 3:

Group 4:

Group 5:

3. List 1-2 properties that are different between galaxies in this group. If you have organized your groups into sub-groups based on these differences, indicate any trends in these properties that you see

Group 1:

Group 2:

Group 3:

Group 4:

Group 5:

Part Three

Finally, take all of these groups and put them some kind of order or larger organizational structure. Take a picture, or sketch a diagram of the result.

Are there any galaxies you left out? If so, which galaxies, and why?

Comparing the groups, are there any trends you noticed that helped you organize the galaxies?