



Hubble Academy Log - HAL

Activity 4: Are You ready for Space? The Final Task



I. Review Questions:

1. What is the difference between a galaxy and a star?

2. What does the color of a galaxy indicate?

3. What does the shape of a galaxy indicate?

4. Why isn't a galaxy's size alone useful in determining its distance from Earth?

5. Explain why the same galaxy can appear to have different shapes to different observers.

6. Describe the process used by astronomers to estimate the number of galaxies in the universe. Be sure to explain what mathematical operations must be performed.

7. Why is it better to observe the sky from space rather than from Earth?

II. Hubble Academy Final Challenge

1. What does the color of the "oddball" object tell you?

2. What does the shape of the "oddball" object tell you?

3. What do you think this object is? Justify your answer.
