

Cosmic Survey: What are your ideas about the Universe?

Question 1: How big?

You have been provided with images of seven different objects in space. Try arranging the pictures side by side in a row, **in order of actual size** of the object (or field of objects) pictured. Order the objects so that the smallest is on the left, largest on the right. Write down and keep track of questions that arise as you order the images.

When you are satisfied that you have the best order, record the names of the objects in the spaces below.

Objects Ordered by Actual Size

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____

Smallest in Actual Size

Largest in Actual Size



Cosmic Survey: What are your ideas about the Universe?

Question 2: How far?

You have been provided with images of seven different objects in space. Try arranging the pictures side by side in a row, **in order of distance** of the object from Earth. Order the objects so that the object closest to Earth is on the left, farthest on the right. Write down and keep track of questions that arise as you order the images.

When you are satisfied that you have the best order, record the names of the objects in the spaces below.

Objects Ordered by Distance from Earth

1.

2.

3.

4.

5.

6.

7.

Closest to Earth

Farthest from Earth



Cosmic Survey: What are your ideas about the Universe?

Question 3: How old?

You have been provided with images of seven different objects in space. Try arranging the pictures side by side in a row, **in order of age**, beginning with the youngest (most recently formed) object, and moving in order to the oldest. Write down and keep track of questions that arise as you order the images.

When you are satisfied that you have the best order, record the names of the objects in the spaces below.

Objects Ordered by Age						
1.	2.	3.	4.	5.	6.	7.
Youngest (Most Recently Formed)						Oldest









