Scale of the Universe Scavenger Hunt

Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per. \_\_

Introduction & Directions

Understanding scale is all about looking at things from really, really far away and up really, really close. In this brief activity you will look for a brief list of items around the Universe at very different scales. Working in pairs or small groups, you will attempt to complete your scavenger hunt first. Naturally, accuracy is not always consistent with speed. You want to be the first with a correct set of responses, not merely first!

Resources:

The website Scale of the Universe 2 at <http://scaleofuniverse.com/> is very helpful in this exercise.

Presenting your findings

Once you have completed your scavenger hunt, the teacher may ask you to share your responses. Be prepared to defend your answers in case others think you might have made a mistake!

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| CLUE | ITEMS |
| FIVE THINGS SMALLER THAN A WATER MOLECULE (10-9.6) | 1.  2.  3.  4.  5. |
| THREE CHEMICAL ELEMENTS FLOATING IN SPACE (10-14.2) | 1.  2.  3.  4.  5. |
| FIVE THINGS ABOUT THE SIZE OF A WHITE BLOOD CELL (10-5.1) | 1.  2.  3.  4.  5. |
| THREE THINGS ABOUT THE SIZE OF RHODE ISLAND (104.6) | 1.  2.  3. |
| FIVE THINGS FURTHER FROM THE SUN THAN NEPTUNE (1012.5) | 1.  2.  3.  4.  5. |
| FOUR GALAXIES (NOT INCLUDING OUR MILKY WAY) (1019) | 1.  2.  3.  4. |
| FIVE THING ABOUT THE SIZE OF AN ANT (10-2.2) | 1.  2.  3.  4.  5. |