

Name: _____

Date: _____

Powers of Ten

We have been talking about metric prefixes. Look at this website:

<http://www.essex1.com/people/speer/large.html>

Make sure that you scroll down and read at the bottom. Use complete sentences to answer the following questions.

1. When the metric system was invented, why did the range of measurements only go from kilo to milli? _____

2. Does it surprise you now that there are this many prefixes? Why or why not? _____

Now check out this website:

<http://microcosm.web.cern.ch/Microcosm/P10/english/welcome.html>

You may or may not have watched the "Powers of Ten" video in class. If you did, then this is familiar, if not, you are seeing this for the first time.

Click on the "What is a Power of Ten" link.

1. What is a "Power of Ten"? _____

2. Why are they useful? _____

Now, click on each segment of the ruler. On top of the ruler, the magnitude of the number gets bigger, on the bottom of the ruler, the magnitude gets smaller.

What happens as you click through the magnitudes? _____

Below tell me four things that you learned or thought were cool from this interactive activity.

1. _____

2. _____

3. _____

4. _____

