**Metric Conversions & Measurement Review**

**Physical Science**

**First, write out the saying that helps us to remember the order of units.**

**Taking that saying, write out the symbols (letters) in the correct order.**

**Now, try these conversions, using the ladder method.**

1. 1000 mg = \_\_\_\_\_\_\_ g
2. 1 L = \_\_\_\_\_\_\_ mL
3. 160 cm = \_\_\_\_\_\_\_ mm
4. 14 km = \_\_\_\_\_\_\_ m
5. 109 g = \_\_\_\_\_\_\_ kg
6. 250 m = \_\_\_\_\_\_\_ km
7. 424 mm = \_\_\_\_\_\_\_\_ m
8. 0.989 g = \_\_\_\_\_\_\_\_\_ mg
9. 223,000 cm = \_\_\_\_\_\_\_\_\_ km
10. 0.000663 HL = \_\_\_\_\_\_\_\_\_\_ dL

**Compare using <, >, or =. Remember, you may have to convert some values.**

1. 536 cm 53.6 dm
2. 43 mg  5 g
3. 3.6 m  36 cm

Short Answer: Please answer the following question to the best of your ability making sure to read the directions of each question carefully.

|  |  |  |  |
| --- | --- | --- | --- |
| **Picture** | **Measurement** | **Unit** | **Converted to:** |
| 6 |  | mL | L |
|  |  | mL | cL |
|  |  | mL | KL |
|  |  | cm | m |
|  |  | cm | km |
|  |  | cm | mm |