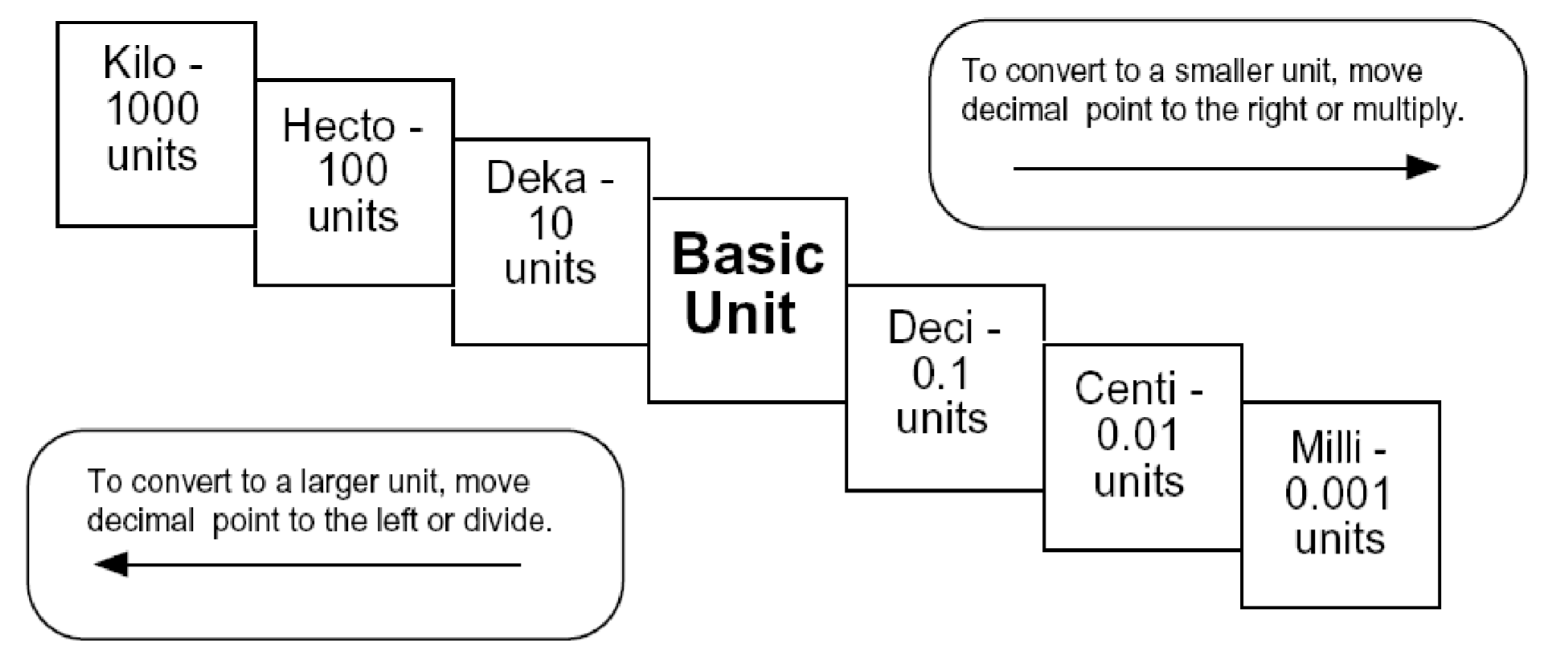
 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Conversions**

**Fill in the boxes in the stair step diagram.**



**Try these conversions using the ladder method.**

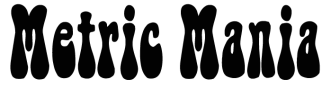
1000 mg = \_\_\_\_\_\_\_ g 1 L = \_\_\_\_\_\_\_ mL 160 cm = \_\_\_\_\_\_\_ mm

14 km = \_\_\_\_\_\_\_ m 109 g = \_\_\_\_\_\_\_ kg 250 m = \_\_\_\_\_\_\_ km

**Compare using <, >, or =.**

56 cm 6 m 7 g 698 mg

*T. Trimpe 2008 http://sciencespot.net/*

 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Conversion Practice**

**Write the correct abbreviation for each metric unit.**

|  |  |
| --- | --- |
| 1) Kilogram \_\_\_\_\_ 4) Milliliter \_\_\_\_\_ | 7) Kilometer \_\_\_\_\_ |
| 2) Meter \_\_\_\_\_ 5) Millimeter \_\_\_\_\_ | 8) Centimeter \_\_\_\_\_ |
| 3) Gram \_\_\_\_\_ 6) Liter \_\_\_\_\_    **Try these conversions, using the ladder method.** | 9) Milligram \_\_\_\_\_ |
| 10) 2000 mg = \_\_\_\_\_\_\_ g 15) 5 L = \_\_\_\_\_\_\_ mL | 20) 16 cm = \_\_\_\_\_\_ mm |
| 11) 104 km = \_\_\_\_\_\_\_ m 16) 198 g = \_\_\_\_\_\_\_ kg | 21) 2500 m = \_\_\_\_\_\_ km |
| 12) 480 cm = \_\_\_\_\_ m 17) 75 mL = \_\_\_\_\_ L | 22) 65 g = \_\_\_\_\_ mg |
| 13) 5.6 kg = \_\_\_\_\_ g 18) 50 cm = \_\_\_\_\_ m | 23) 6.3 cm = \_\_\_\_\_ mm |
| 14) 8 mm = \_\_\_\_\_ cm 19) 5.6 m = \_\_\_\_\_ cm    **Compare using <, >, or =.** | 24) 120 mg = \_\_\_\_\_ g |

1. 63 cm 6 m 27) 5 g 508 mg 29) 1,500 mL 1.5 L
2. 536 cm 53.6 dm 28) 43 mg 5 g 30) 3.6 m 36 cm

**Challenge: Create three conversion problems for your classmates along with the correct answers.**

*T. Trimpe 2008 http://sciencespot.net/*