

# SI Unit Conversion Challenge

Name \_\_\_\_\_

|       |        |       |              |       |        |        |
|-------|--------|-------|--------------|-------|--------|--------|
| Kilo- | Hecto- | Deka- | BASE<br>UNIT | Deci- | Centi- | Milli- |
|-------|--------|-------|--------------|-------|--------|--------|

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

1) gram \_\_\_\_\_

4) Millimeter \_\_\_\_\_

7) Kilometer \_\_\_\_\_

2) Liter \_\_\_\_\_

5) Kilogram \_\_\_\_\_

8) Centimeter \_\_\_\_\_

3) Meter \_\_\_\_\_

6) Milliliter \_\_\_\_\_

9) Milligram \_\_\_\_\_

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

1) 2000 mg = \_\_\_\_\_ g

6) 5L = \_\_\_\_\_ mL

11) 16 cm = \_\_\_\_\_ mm

2) 104 km = \_\_\_\_\_ m

7) 198 g = \_\_\_\_\_ kg

12) 2500 m = \_\_\_\_\_ km

3) 480 cm = \_\_\_\_\_ m

8) 75 mL = \_\_\_\_\_ L

13) 65 g = \_\_\_\_\_ mg

4) 5.6 kg = \_\_\_\_\_ g

9) 50 cm = \_\_\_\_\_ m

14) 6.3 cm = \_\_\_\_\_ mm

5) 8 mm = \_\_\_\_\_ cm

10) 5.6 m = \_\_\_\_\_ cm

15) 120 mg = \_\_\_\_\_ g

**Compare using <>, or =**

16) 63 cm \_\_\_\_\_ 6m

17) 5g \_\_\_\_\_ 508 mg

18) 1,500mL \_\_\_\_\_ 1.5L

19) 536 cm \_\_\_\_\_ 53.6 dm

20) 43 mg \_\_\_\_\_ 5g