

Name: \_\_\_\_\_ Period: \_\_\_\_\_

### The Metric System: Friend of the Scientist

kilo	hecto	deka	unit	deci	centi	milli	x	x	micro
kilometer (km)	hectometer (hm)	dekameter (dam)	meter* (m)	decimeter (dm)	centimeter (cm)	millimeter (mm)			micrometer ( $\mu$ m)
1000 m	100 m	10 m	1 m	0.1 m	0.01 m	0.001 m			0.000001m

\*Meters are used to measure length. When measuring volume, use liters (l). When measuring mass, use grams (g).

- 1.) 1 m = \_\_\_\_\_ micrometers
- 2.) 1 m = \_\_\_\_\_ kilometers
- 3.) 24.6 mm = \_\_\_\_\_ centimeters
- 4.) 43.68 cm = \_\_\_\_\_ millimeters
- 5.) 13.45  $\mu$ m = \_\_\_\_\_ millimeters
- 6.) 0.75 km = \_\_\_\_\_ meters
- 7.) 0.25 dam = \_\_\_\_\_ centimeters
- 8.) 0.40 cm = \_\_\_\_\_ millimeters
- 9.) 0.40 cm = \_\_\_\_\_ meters
- 10.) 700  $\mu$ m = \_\_\_\_\_ decimeters
- 11.) 5,788 cm = \_\_\_\_\_ hectometers
- 12.) 1000 m = \_\_\_\_\_ kilometers
- 13.) 7000 m = \_\_\_\_\_ kilometers
- 14.) 5 km = \_\_\_\_\_ decimeters
- 15.) 55.77 cm = \_\_\_\_\_ meters
- 16.) 100 cm = \_\_\_\_\_ meters
- 17.) 250 cm = \_\_\_\_\_ meters
- 18.) 900 dam = \_\_\_\_\_ kilometers
- 19.) 44.88 mm = \_\_\_\_\_ centimeters
- 20.) 40 hm = \_\_\_\_\_ dekameters
- 21.) 0.77  $\mu$ m = \_\_\_\_\_ decimeters
- 22.) 398.4 mm = \_\_\_\_\_ micrometers
- 23.) 99 dm = \_\_\_\_\_ meters
- 24.) 0.23984 cm = \_\_\_\_\_ millimeters
- 25.) 0.000005374 km = \_\_\_\_\_ centimeters
- 26.) 1.59 m = \_\_\_\_\_ decimeters