

Metric Units Study Sheet

Part 1: Match each item from the first list to the metric system unit from the second list which would be best to measure it. Use each metric system unit only once.

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| _____ 1. Height of a tree | a. centimeter |
| _____ 2. Mass of a hamster | b. degrees Celsius |
| _____ 3. Volume of an aquarium | c. kilometer |
| _____ 4. Length of a small insect | d. kilogram |
| _____ 5. Mass of an insect | e. millimeter |
| _____ 6. Temperature of a classroom | f. liter |
| _____ 7. Mass of an elephant | g. meter |
| _____ 8. Volume of a juice glass | h. milligram |
| _____ 9. Length of a test tube | i. milliliter |
| _____ 10. Distance to the moon | j. gram |

Part 2: Use the information in the following chart to answer the questions below.

1 meter = 100 centimeter = 1000 millimeters
 1 liter = 1000 milliliters = 1000 cubic centimeters
 1 kilogram = 1000 grams
 1 gram = 1000 milligrams

- How many millimeters are in one meter? _____
- How many millimeters are in one centimeter? _____
- A line 5 centimeters long is how many millimeters long? _____
- A laboratory table is 2 meters long. What is its length in millimeters? _____
- A microscope's mass is 1 kilogram. What is its mass in grams? _____
- A chemical's mass is 6 grams. What is it in milligrams? _____
- Three liters of water contain how many milliliters? _____
- Circle the largest measurement **in each pair** below:

a. 2 meters or 50 centimeters	c. 11 centimeters or 15 millimeters
b. 1 meter or 120 centimeters	d. 5 centimeters or 60 millimeters

Part 3: Refer to the illustration showing two lines next to a metric ruler as you answer the following questions.

- What is the length of **Line A** in centimeters? _____
 In millimeters? _____
- What is the length of **Line B** in centimeters? _____
 In millimeters? _____

Line A _____

Line B _____

