1. Select the base unit of the metric system for length.

   A) Liter B) Meter
   C) Gram D) Kilogram
   E) Kilometer

2. Select the base unit of the metric system for volume.

   A) Liter B) Meter
   C) Gram D) Kilogram
   E) Kilometer

3. Select the base unit of the metric system for mass.

   A) Liter B) Meter
   C) Gram D) Kilogram
   E) Kilometer

4. Metric units have prefixes that represent multiples of the base. What is the prefix for 1000.0 ?

   A) Kilo B) Milli
   C) Centi D) Hecto
   E) Mega

5. Metric units have prefixes that represent multiples of the base. What is the prefix for 0.000 001 ?

   A) Kilo B) Milli
   C) Deci D) Mega
   E) Micro

6. Metric units have prefixes that represent multiples of the base. What is the prefix for 0.01 ?

   A) Kilo B) Milli
   C) Centi D) Hecto
   E) Micro

7. Convert the units 2.7 g into mg.

   A) 0.027 B) 27
   C) 2700 D) 0.0027
   E) 27,000,000

8. Convert the units 0.21 km to cm.

   A) 0.21 B) 21,000
   C) 21 D) 0.0000021
   E) 21,000,000

9. Convert the units 12.0 mL to L.

   A) 0.12 B) 12,000
   C) 12,000,000 D) 0.012
   E) 0.00012

10. Convert the units 55.2 ks to ms.

   A) 5.52 B) 0.552
   C) 0.000 0055 2 D) 5,520
   E) 55,200,000