Name Period Date

**Units of Measurement – Ch. 2**

**Part A – SI Units**

For each of the following commonly used measurements, indicate its symbol. Use the symbols to complete the following sentences with the most appropriate unit. Units may be used more than once or not at all.

\_\_\_\_\_ milliliter

\_\_\_\_\_ kilogram

\_\_\_\_\_ meter

\_\_\_\_\_ milligram

\_\_\_\_\_ millimeter

\_\_\_\_\_ millisecond

\_\_\_\_\_ liter

\_\_\_\_\_ kilometer

­\_\_\_\_\_ microgram

\_\_\_\_\_ centimeter

\_\_\_\_\_ gram

\_\_\_\_\_ second

1. Colas may be purchased in two or three \_\_\_\_\_ bottles.
2. The mass of a bowling ball is 7.25 \_\_\_\_\_.
3. The length of the common housefly is about 1 \_\_\_\_\_.
4. The mass of a paperclip is about 1 \_\_\_\_\_.
5. One teaspoon of cough syrup has a volume of 5 \_\_\_\_\_.
6. Stand with your arms raised out to your side. The distance from your nose to your outstretched fingers is about 1 \_\_\_\_\_.
7. The body mass of a flea is about 0.5 \_\_\_\_\_.
8. On a statistical basis, smoking a single cigarette lowers your life expectancy by 642,000 \_\_\_\_\_, or 10.7 minutes.

**Part B – Density**

1. Calculate the density of a substance with a mass of 35.0 g and a volume of 25.0 cm3.
2. A small gold nugget has volume of 0.87 cm3. What is its mass if the density of gold is 19.3 g/cm3?
3. What volume is occupied by 35.2 g of carbon tetrachloride if its density is 1.60 g/mL?

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