

Name: _____ Block: _____ Date: _____

Unit Conversion Lab

Use unit conversion calculations to answer each of the following questions. Show your work for each calculation. Draw what you see, and underline the uncertain digit. Box your answers in scientific notation. Neatness counts!

Station 1: Length of a pencil

Find the length of the pencil in miles. There are 1.6 kilometers in a mile.

Station 2: Mass of a paper clip

Find the mass of the paper clip in tons. There are 2.2 pounds in a kilogram and 2000 pounds in a ton.

Station 3: Volume of a very small beaker

Find the volume of the beaker in gallons. There are 0.26 gallons in a liter.

Station 4: Measure the volume of a graduated cylinder

Measure the volume in the graduated cylinder in megalitres.

Station 5: Length of time you can hold your breath

Find the maximum length of time you can hold your breath, in years. There are 365 days in one year.

Station 6: Area of a paper towel

Find the area of a paper towel in square meters.

NOTE: There is an unknown chemical spill with broken glass. What are the steps to cleaning it up? You will need paper towel to clean it up. How much paper towel?

Station 7: Dress yourself in appropriate PPE for a lab . Take a full-body selfie and label each PPE. You can airdrop to MAC Y238030 or store on phone for your lab report.