STATION 1: Copper

STATION 3: Aluminum

STATION 5: Lead

STATION 2: Sugar (C6H12O6)

1) Turn on scale

2) Put a piece of weigh paper on the scale and press “tare” so the screen reads “0”.

3) Place 1 or 2 sugar cubes on the scale and record the mass.

4) Calculate the molar mass of sugar and write it in your table.

5) Calculate the moles of sugar using mass and molar mass.

STATION 4: Salt (NaCl)

1) Make sure scale is on, then open the lid.

2) Put a plastic cup on the scale and press “zero” so the scale reads “0.00”

3) Shake a small amount of salt into the cup, then record the mass.

4) Calculate the molar mass of salt and write it in your table.

5) Calculate the moles of salt using mass and molar mass.

6) Throw away your cup and salt and clean up any spills.

STATION 6: Ibuprofen (C13H18O2)

1) Turn on the scale by pressing the “zero” button.

2) Put two pills (one dose) of ibuprofen on the scale and record the mass.

3) Calculate the molar mass of ibuprofen and write it in your table.

4) Calculate the moles of ibuprofen using mass and molar mass.