

Mass

- Objective - To learn to measure mass using the electronic balance.

Definition of Mass

- The amount of matter in an object or a substance, the number of particles.

Unit of Mass

- Gram g
- Kilogram Kg

Electronic Balance

- Instrument used to measure mass.

Measuring Mass Directly

- 1. Push the “on/off” button
- 2. Wait until the balance reads 0.0g

Measuring Mass Directly

- 3. Place the object on the pan. Objects cannot exceed 210g.
- 4. Record the mass in the data table.

Finding Mass by Taring the Balance: Liquids & Powders

- 1. Place the container on the balance and tare: Press “Zero”

Finding Mass by Taring the Balance: Liquids & Powders

- 2. Remove the container; the balance will show a negative mass (which is equal to the container's mass).

Finding Mass by Taring the Balance: Liquids & Powders

- 3. Place the desired volume of substance into the container.

Finding Mass by Taring the Balance: Liquids & Powders

- 4. Place the container and substance back on the balance and read, then record the mass of the substance.

Finding Mass - Objects

- Rubber Stopper
- Flask Rock
- Shell Nut
- Eraser