
weight Measurement

By:

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Weight is measurement by means of a balance

There are different types of balance, types for rough weights and others for sensitive weights.



Rules for the use and care of the balance

1-the balance should be located in a well –lightened place ,as far as possible from vibration ,dust, moisture and corrosive vapor.

2-the balance should be kept clean at all times.

3-watch glass should be used for weighing of solids, stoppered bottles used for corrosive substances and liquids

4-check to see if the balance is adjusted including zeroing of it ,also check the adjustment before each weighing.



failure to
adjust
the
scale

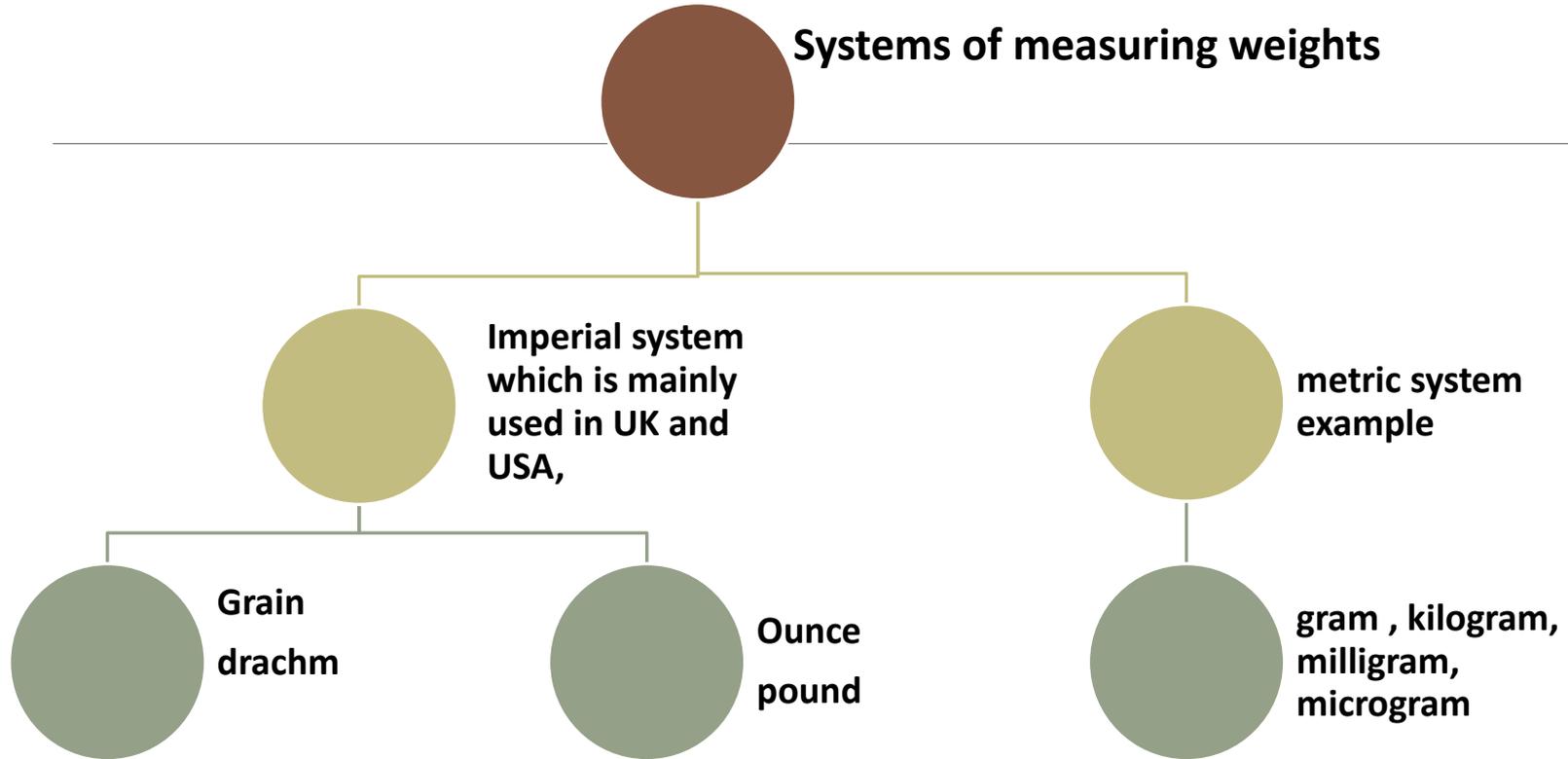


currents
of air.



Source of
error in
weighing

Systems of measuring weights





1
grain



0.065
g

1
gram



15.432
grain



$$1 \text{ drachm} = 4 \text{ g}$$

$$1 \text{ ounce} = 30 \text{ g}$$

$$1 \text{ kg} = 2.2 \text{ pound}$$



- **A clean spatula may be put into a bottle to remove solids for weighing .**
- **Do not contaminate reagents by using dirty equipment's or improper techniques.**
- **Bottle should be kept clean and restopped each reagent bottle with it's own stopper .**
- **Never place materials to be weighed directly on the pans .**
- **Accuracy requires both understanding and care .**
- **Most countries are following the metric system of weight and measure.**



Pan

Balancing
indicator

Screw

Scale

TABLE BALANCE





Thank you