



Lab 2

Weight Measurement

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

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

**Failure to
adjust the
scale**

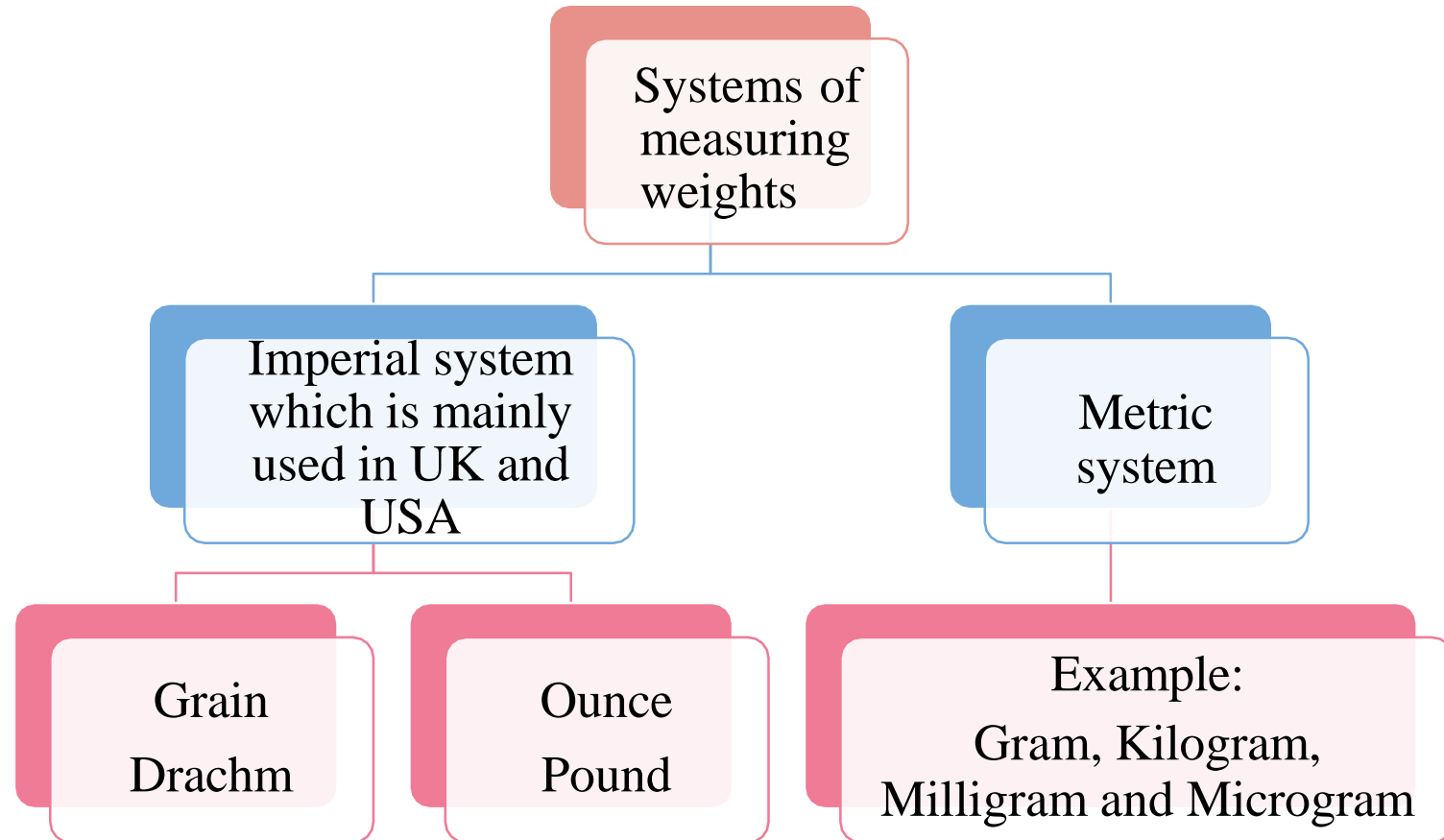


**Currents of
air**



**Source of
errors in
weighing**

Systems of measuring weights





1 grain = 0.065 gram



1 gram = 15.432 grain



1 drachm = 4 gram



1 ounce = 30 gram



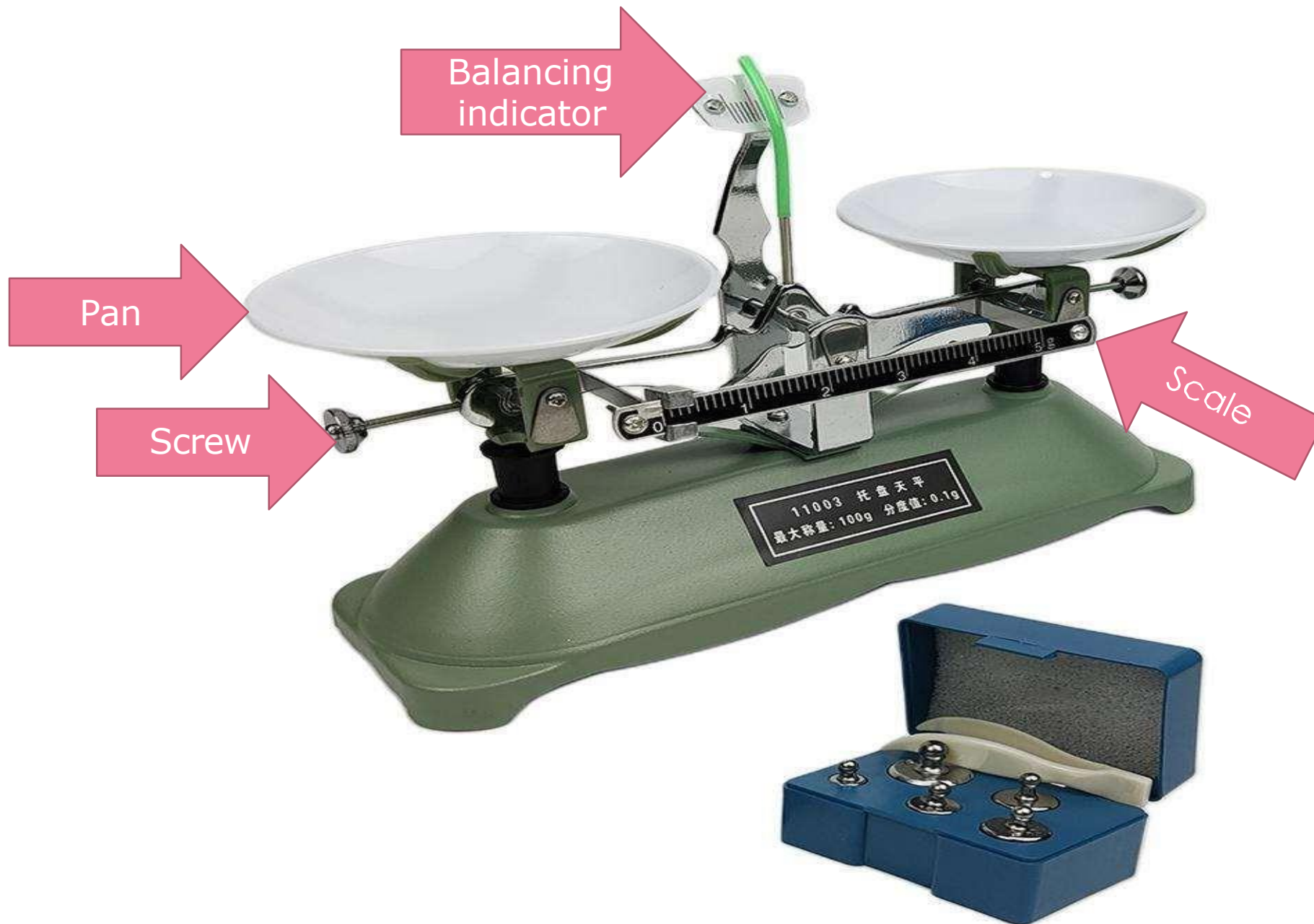
1 kg = 2.2 pound

Notes

- *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 stoppered each reagent bottle with it's own stopper .*

Notes

- *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.*



Thank you

