Science 9 Notes Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MEASUREMENT - Mass**

Mass is the amount of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** in an object or substance.

Mass is measured in **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** , **\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, or

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Mass **\_\_\_\_\_\_\_\_** Weight

* Weight is the force of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** on an object.
* It **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** depending on where in the universe the object is
* [Video:](https://www.youtube.com/watch?v=rFdbY_V7vIo) https://www.youtube.com/watch?v=rFdbY\_V7vIo

**Measuring Mass**

* You need a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** for measuring mass. It can be **manual** or **digital**
* What about measuring masses of liquids or granular/powder substances?
	+ With a digital scale, you can use an **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and hit the “tare” or \_\_\_\_\_\_ button to reset the balance to zero, and then add your substance. The scale automatically subtracts the mass of the beaker or dish before the contents are added, so it reports only the mass of the contents.
	+ With a manual balance, you have to do this **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**. First find the mass of the beaker or dish and record its mass. Then add your substance and be the mass of the substance.

**Triple Beam Balance**