

# **MATTER VOCABULARY # 1 DEFINED**

1. **Matter**- the scientific name for “stuff”
2. **Mass**- the quantity of matter
3. **Weight** - It is a measure of how "heavy" matter is in the presence of gravity.
4. **Volume** - the amount of space matter takes up
5. **Density** - how much matter (mass) is in a given space (volume)  $D = M/V$  (mass / volume)
6. **Physical Properties** – Characteristics of matter that can be seen, touched, or felt.
7. **Solid** – state of matter that has a definite shape and volume (atoms are tightly packed).
8. **Liquid** – state of matter that does not have a definite shape, but a definite volume (atoms are more spread out).
9. **Gas** - state of matter that does not have a definite shape or volume (atoms spread out far apart).
10. **Plasma** – state of matter where gas phase is super heated and electrons have been stripped away. (on sun and lightning)
11. **Phase** – state in which matter can exist:(solid, liquid, gas)
12. **Sublimation** – when matter changes from a solid directly to a gas (no liquid phase).