Measurement Vocabulary

1. **Kilo** - 1000
2. **Hecto** - 100
3. **Deka** - 10
4. **base unit** – 1 (meters, liters, grams)
5. **deci** -1/10th or .1
6. **centi** - 1/100th or .01
7. **milli** - 1/1000th or .001
8. **Linear** - an edge or straight line; 1 dimensional
9. **Area** - the surface or 'skin' of any object; 2 dimensional
10. **Volume** - how much space a solid, liquid, or gas takes up; 3 dimensional
11. **Experimental group** - participants who receive the experimental treatment
12. **Control group** - participants who do not receive any treatment—(everything stays the same for them)
13. **Hypothesis** - a person's best guess about what will happen in the experiment
14. **Claim /Conclusion** – a statement of truth about what you learned from doing the experiment
15. **Evidence** – findings from an experiment that prove your claim
16. **Sample size** - how many items, organisms, or humans are being tested in the experiment (the more the better!)
17. **Argument**- your claim (truth statement) and evidence backing it up
18. **Mass** - the amount of matter or 'stuff' in any solid, liquid, or gas
19. **Density** - how tightly packed a solid, liquid, or gas is
20. **Data** – numbers or information you collect in an experiment
21. **Independent Variable** - The variable you are changing/manipulating in the experiment-(the **cause**)
22. **Dependent Variable** - the final result that you measure in the experiment (the **effect**)
23. **Controlled variables** - variables that you keep the same to make it a "fair test."
24. **Pressure** - how hard a solid, liquid, or gas pushes down on a surface
25. **Weight**—how hard gravity is pulling down on your mass