

Today is Thursday 8/15



Learning Target:

I can write a testable question using independent and dependent variables

You will need:

- Pencil
- Warmup (work on Wednesday)
- Notes from yesterday
- notecard

Warmup: In the following question, what is the *independent variable*?

Does eating breakfast increase students' grades?





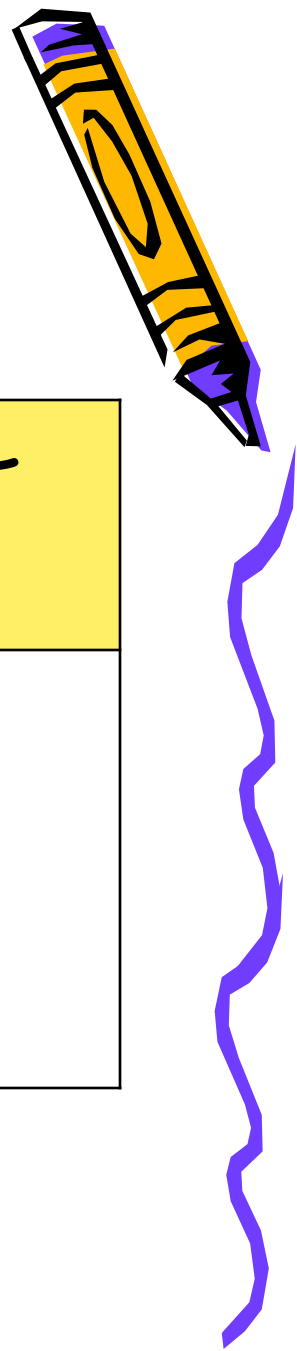
#7 Variables

Or what changes during
experiments....



VARIABLES EXPLAINED





INDEPENDENT VARIABLE	DEPENDENT VARIABLE	CONTROL GROUP



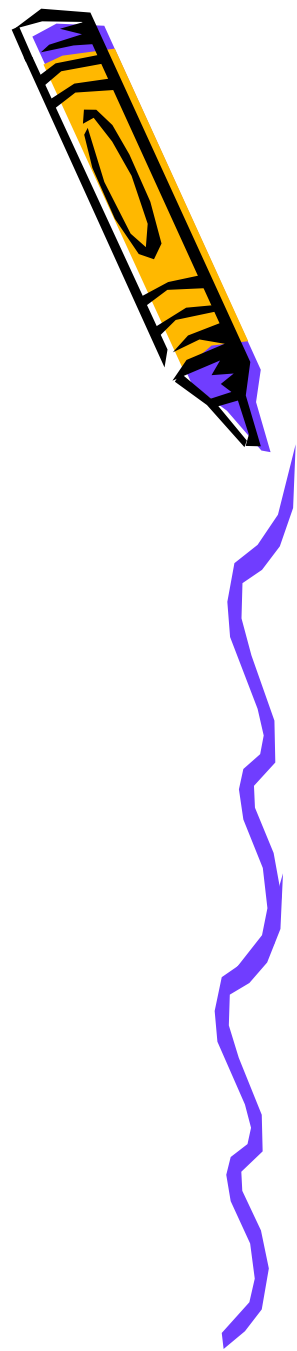
Independent Variables



- What is tested by the scientist
- What is changed by the scientist



Dependent Variable



- What is observed and measured
- The effect caused by the I.V.
- The data



Control Group or (Controlled Variables)



- Things that could change but don't
- Kept **constant** (the same) by scientists
- These allow for a fair test.



Identify independent and dependent variables:

Sponge Bob notices that his pal Gary is suffering from slimotosis, which occurs when the shell develops a nasty slime and gives off a horrible odor. His friend Patrick tells him that rubbing seaweed on the shell is the perfect cure, while Sandy says that drinking Dr. Kelp will be a better cure. Sponge Bob decides to test this cure by rubbing Gary with seaweed for 1 week and having him drink Dr. Kelp. After a week of treatment, the slime is gone and Gary's shell smells better.