

RESEARCH QUESTION

Always includes Dependent and Independent variable.

What is the effect of I V on DV?

What is the effect of different wavelengths (IV) of light on seed germination (DV)?

HYPOTHESIS:

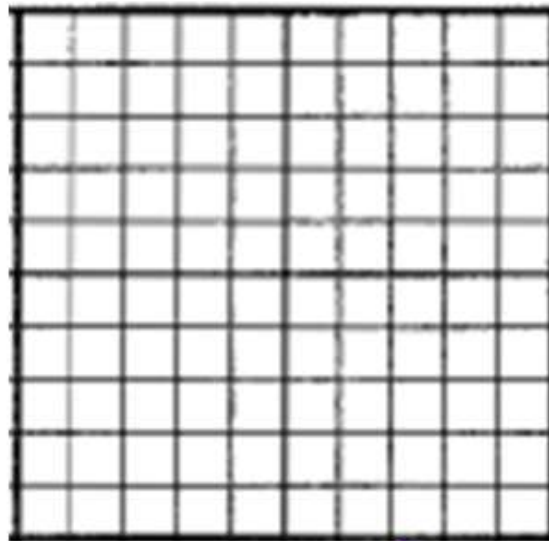
Mentions DV and IV and is a specific guess about what will happen .

EX: Light Wavelengths less than 500 nm will produced the greatest number of sprouted seeds.



What
you
Measure

y



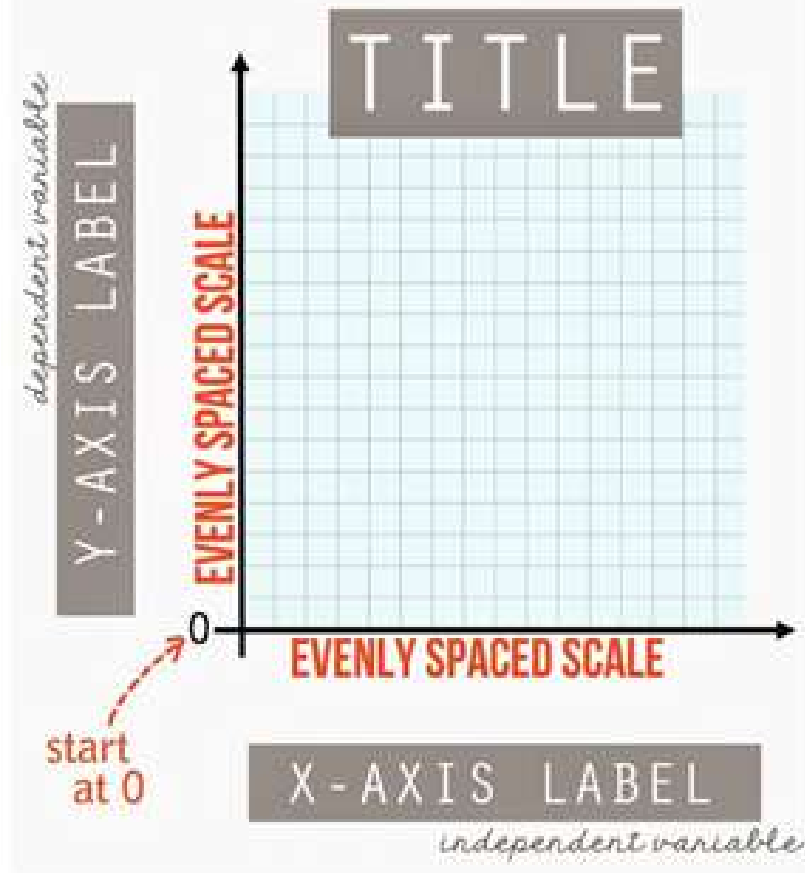
x

Change
over time

What you change

WHAT MAKES A GOOD GRAPH?

PARTS OF A GRAPH



DETAILED TITLE:

Should include reference to BOTH DEPENDENT and INDEPENDENT variables

AXES:

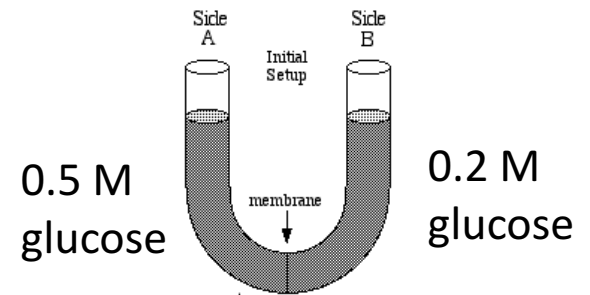
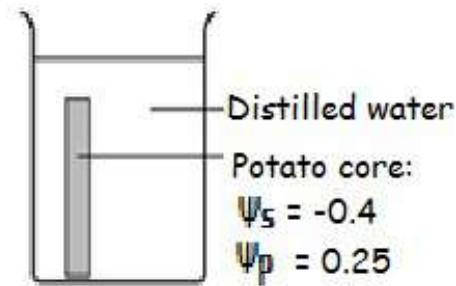
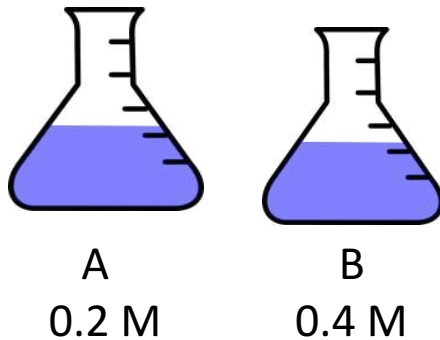
labeled WITH UNITS

Equal spacing on axes

Dependent on Y axis; Independent on X axis

HYPERTONIC, HYPOTONIC, ISOTONIC refer to LIQUID solutions that are being compared

EX: Air isn't hypotonic to potatoes on table.



Can't say something is HYPERTONIC without saying to what.

EX: Water in beaker is hypertonic to potato cells.

ADDING SOLUTE:

INCREASES MOLARITY

INCREASES CONCENTRATION

DECREASES Ψ_s

(more solute = more negative

If in an open container this also DECREASES Ψ

