

Name _____ Date _____ Per _____
preAP Biology

Experimental Design Notes

Part 1

1. Define Variable-

2. Six Concepts of Experimental Design

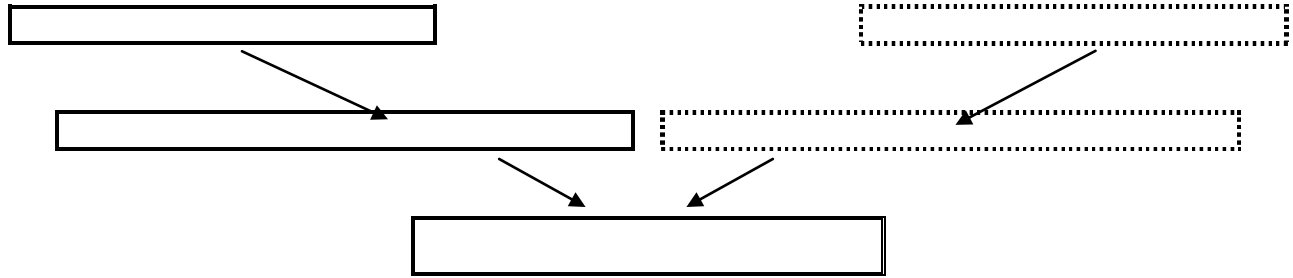
Concept	Definition/ Description

3. The _____ chart is used to design an experiment.

4. Design an experiment using the IVCDV chart below using the Sponge Bob example from notes.

Independent Variable (IV)	Constants	Dependent Variable (DV)

5. Forming a hypothesis



Practice Hypothesis

Part 2 - Results (data)

6. Where should results from your experiment be recorded? _____
7. In a data table the independent variable (IV) is always
 - a.
 - b.
8. In a data table the dependent variable (DV) is always
 - a.
 - b.
9. All data tables must have a _____.
10. Data can be displayed is a _____.
11. On a graph the IV is plotted on the _____ and the DV is plotted on the _____.