

Descriptive Notes:

- ❖ use careful observations and measurements
- ❖ can include both numbers and/or
- ❖ a description
- ❖ includes the following:
 - observations
 - scientific research question
 - procedure
 - data, graphs, analysis
 - conclusion
- ❖ do not include hypothesis or predictions
- ❖ Key words:
 - observe
 - describe
 - list
 - identify
- ❖ Example: observing cells under a microscope and diagramming what is seen

Comparative Notes:

- ❖ involves collecting data under different conditions (e.g., times of year, temperatures, locations) to make comparisons.
- ❖ involves looking for patterns or trends
- ❖ includes the following:
 - observations
 - scientific research question
 - hypothesis
 - procedure
 - variables (independent and dependent)
 - data, graphs, analysis
 - conclusion
- ❖ Key words:
 - compare/contrast
 - similarity/difference
 - categorize
- ❖ Example: comparing two different types of leaves to see which one has a greater rate of transportation

Experimental Notes:

- ❖ "fair test" is designed
- ❖ variables are actively manipulated, controlled, and measured
- ❖ includes the following:
 - observations
 - research question
 - hypothesis
 - procedure
 - data, graphs, analysis
 - conclusion
- ❖ Key words:
 - control and experimental groups
 - constants
 - testing the effects of ..
- ❖ Example: testing to see how the height of a ramp effects how far a marble will roll