



Unit #1 & 2 Review Sheet - EOC

<p>List situations that could occur during a lab in which you should notify the teacher.</p>	<p>Which piece of safety equipment would you use to</p> <p>(a) Put out a fire in the trash can (b) Put the fire out that has erupted on your lab partner (c) Get chemicals out of your eyes</p>	<p>List the steps of the scientific method in order.</p>
<p>What do we call information that we gather during an experiment? What are the 2 types?</p>	<p>When you suggest that warm water will melt snow and ice, you have made what type of statement?</p>	<p>Is/can a hypothesis...</p> <p>(a) Ever proven? (b) Accepted as correct with being tested with an experiment? (c) Be disproven by a single experiment</p>
<p>What is the purpose of an experiment?</p>	<p>How many variables should you test in a controlled experiment?</p>	<p>What is information gathered by using one of the five senses called?</p>
<p>Use the following diagram to determine whether each statement is an Inference or an Observation.</p>  <p>a. She is holding a stop sign b. It is windy outside c. She is wearing a dress d. She is happy e. She is working at a cross walk f. There are four letters on the sign. g. Her mom made her pancakes for breakfast.</p>	<p>Use the following picture to answer questions differentiating qualitative and quantitative data:</p>  <p>a. Fido has big eyes. b. Fido has two eyes. c. Fido has one nose. d. Fido has a long nose. e. Fido has a wide collar.</p>	<p>Which variable is...</p> <p>a. Observed & recorded (your data)? b. Graphed on the y-axis? c. Controlled and changed by the person conducting the experiment? d. Graphed on the x-axis?</p>
<p>What is a "control" in an experiment? Why is it important to have controls in an experiment?</p>	<p>Which part of the scientific method is stated as an "if, then" statement?</p>	<p>Which group in an experiment gets "tested on"?</p> <p>Which group in an experiment does not get "tested on and is used for comparison?"</p>

List all of the things a good graph should have.

Use the following data chart to answer the questions listed after the chart:

Number of Baskets Made by FVHS Basketball Team

	Group 1 Baskets Made	Group 2 Baskets Made
Day 1	55	40
Day 2	58	45
Day 3	62	48
Day 4	62	50
Day 5	65	53
Day 6	66	54
Day 7	69	59

- On which day did Group 1 make 10 more baskets than Group 2?
- On which day did Group 2 make 50 baskets?
- How many days did Group 1 make 62 baskets?
- List 3 controls in this experiment.

What unit do we use in Biology when we are measuring:
Mass?
Volume?
Length?

What is name of this lab equipment and what is it used for?



What is name of this lab equipment and what is it used for?



What is name of this lab equipment and what is it used for?



What is name of this lab equipment and what is it used for?



What is name of this lab equipment and what is it used for?



What is name of this lab equipment and what is it used for?



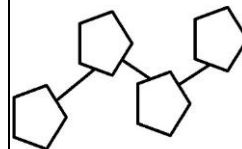
Biomolecules all contain what important element? Give 2 other names for Biomolecules:

Define monomer & polymer

What is the monomer and function of a carbohydrate?

Give examples of carbohydrates

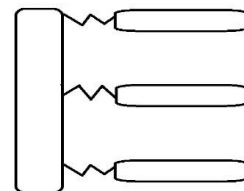
Diagram & Test:

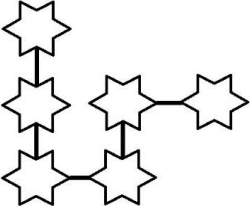
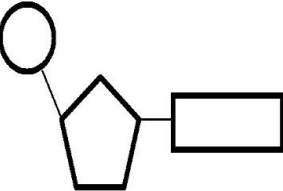
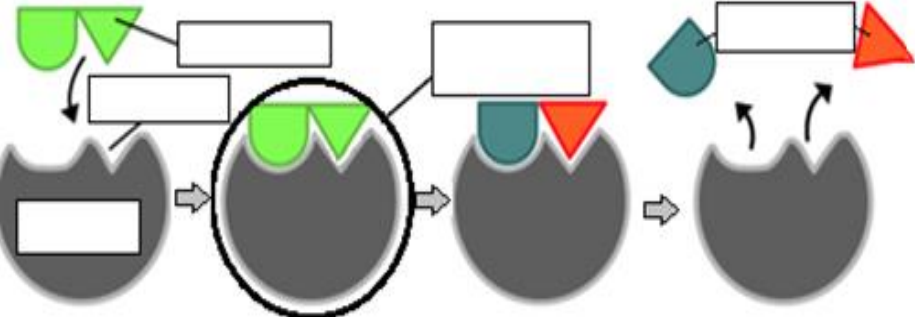



What is the monomer and function of a lipid?

Give examples of lipids

Diagram & Test:



<p>What is the monomer and function of a protein?</p>	<p>Give examples of proteins</p>	<p>Diagram & Test:</p> 
<p>What is the monomer and function of a nucleic acid?</p>	<p>Give examples of nucleic acids</p>	<p>Diagram & Test:</p> 
<p>Enzymes are a type of which biomolecule?</p>	<p>What do they do and HOW do they work?</p>	<p>Enzymes are often compared to a</p>
<p>What ending (suffix) do enzymes typically have? Give examples of enzymes</p>	<p>Label the diagram:</p> 	
<p>What are two things that can denature an enzyme?</p>	<p>Label the diagram:</p> 	
<p>Define substrate</p>	<p>What are two facts about enzymes?</p>	