

# Unit I: Scientific Inquiry and Application


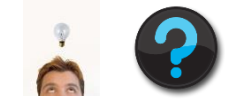

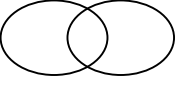




## Standards Covered:

- I can identify testable questions.
- I can design and conduct a scientific investigation.
- I can analyze and interpret data discovered in an investigation.
- I can develop hypotheses.
- I can think critically and logically to connect evidence and explanations.
- I can communicate scientific procedures and explanations.
- I can utilize all of the science process skills
- I can conduct a safe lab experiment.

## Vocabulary:

## Definition:

## Picture/Symbol:

<b>observation</b>	<b>Using your five senses to gather information about the world around you. Observations are facts.</b>	
<b>inference</b>	<b>Assuming something is true based on your observations. Inferences are logical conclusions.</b>	
<b>classify</b>	<b>Arrange by categories and characteristics</b>	
<b>compare</b>	<b>Describing something as similar or different</b>	<b>Venn Diagram</b> 
<b>graphing</b>	<b>An organized and visual way to communicate results</b>	
<b>communicating</b>	<b>Sharing your results through words, graphs, pictures and actions</b>	
<b>measurement</b>	<b>Using a standardized unit to determine size</b>	
<b>prediction</b>	<b>Using ideas or evidence (observations) to foretell an outcome</b>	

## Other important items:

- Scientific method notes
- Hypothesis and variable notes
- Testable questions
- Lab safety rules (on blue paper in binder)