

Experimental Inquiry Hypothesis Framework

| OBSERVE | APPLY THEORIES | GENERATE A HYPOTHESIS | EXPERIMENT | EXPLAIN RESULTS |
|---|---|---|--|--|
| Observe something of interest to you and describe what you observe. | Apply specific theories or rules to explain what you have observed. | Based on your explanation, generate a hypothesis to predict what would happen if you applied the theories or rules to what you observed or to a situation related to what you observed. | Set up an experiment or engage in an activity to test your hypothesis. | Explain the results of your experiment or activity. Decide if your hypothesis was correct and if you need to conduct additional experiments or activities or if you need to generate and test an alternative hypothesis. |

Historical Investigation Hypothesis Framework

| EVENT | KNOWN/NOT KNOWN | HYPOTHETICAL SCENARIO | PLAUSIBLE OR NOT |
|---|---|--|--|
| Clearly describe the historical event to be examined. | Identify what is known or agreed on and what is not known or about which there is disagreement. | Based on what you understand about the situation, offer a hypothetical scenario. | Seek out and analyze evidence to determine if your hypothetical scenario is plausible. |
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