

How Is an Experiment Like Baking Cookies?

Goal • Compare a step-by-step process for baking to the process for conducting an investigation.

What to Do

Baking cookies is a process that requires careful performance of each step, in the proper order, to get effective results. A description of the baking process appears below.

- Under the Science Experiment Process, list the procedures that are similar to the baking process.
- Below each line, briefly list the procedures for that step in the experiment process.

Cookie Baking Process	Science Experiment Process
<p>Planning</p> <ul style="list-style-type: none"> • Decide kind to make and find recipe. • Plan and set aside time needed. 	
<p>Preparing</p> <ul style="list-style-type: none"> • Get ingredients together. • Ensure ingredients are at room temperature. • Prepare bowls, measuring spoons, mixer. • Pre-heat oven. • Grease cookie sheets. 	
<p>Mixing</p> <ul style="list-style-type: none"> • Measure each ingredient precisely. • Follow safety precautions. • Combine ingredients as directed in recipe. 	
<p>Changing Recipe</p> <ul style="list-style-type: none"> • Add 125 mL chocolate chips. • Make note of change. 	
<p>Watching</p> <ul style="list-style-type: none"> • Drop spoonfuls of batter onto greased sheet. • Place cookies on sheets in oven. • Watch cookies to ensure they bake evenly. 	
<p>Results</p> <ul style="list-style-type: none"> • Remove cookies and place on racks to cool. • When cool, test results by tasting cookies. • If taste okay, store in a dry place. 	