



Identify Parts of the
Experiment

o A psychology teacher believed that by allowing her third period class to eat snacks while taking an exam they would, on average, do worse on the exam than her other class. Her fourth period class was not allowed to eat snacks while taking the same exam. She compared the test averages from both classes. Prior to this, both classes averaged comparable exam scores.

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o What is the hypothesis?

o What is the control group?

o What is the experimental group?

o What is the independent variable?

o What is the dependent variable?

o The leading producer of paper products wants to increase their sales of paper cups. They set up a test program in local supermarkets. Identical 8 ounce paper cups were packaged in two ways—half of the stock was packaged in the present plain boxes, while the other half of the stock was packaged in bright, cheery, pastel-colored boxes. Sales volumes for each type of package were recorded over a period of six months.

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o What is the hypothesis?

o What is the control group?

o What is the experimental group?

o What is the independent variable?

o What is the dependent variable?

o A group of scientists are testing the hypothesis that people learn more when they study in a quiet versus a noisy place.

o What is the independent variable?

o What is the dependent variable?

o Imagine you are testing the hypothesis that watching professional wrestling diminishes interpersonal skills.

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o What is the independent variable?

o What is the dependent variable?
