

Insulation

Before the Experiment

Scientists form a *hypothesis* or opinion about how an experiment will turn out before they perform it. When the experiment is over, they compare the results with what they thought would happen. If the hypothesis and the results do not match, scientists can then study why the results were different.

Form a hypothesis about the effect of insulation:

When you place your hand in the water, will it feel colder when you are wearing the glove with a layer of fat or the glove without fat?

After the Experiment

Did your hand feel colder inside the glove with fat or the glove without fat?

Why do you think you got the results that you did?

What do you think you could change about the experiment to show the effect of insulation better?