

Things to Know for Unit One Test

The three criteria needed for a scientific question.

The steps of a scientific investigation (scientific method). Seven are listed in the scientific investigation pdf.

Explain the difference between scientific law and scientific theory.

Explain how scientific theory and hypothesis are the same.

Explain how scientific theory and hypothesis are different.

What is the use of an experiment in the scientific method?

What is a control?

What is an independent variable?

What is a dependent variable?

How are a dependent and independent variable related?

Why is communicating results important to the scientific method?

Under what circumstances would a scientist test a hypothesis using observations?

Under what circumstances would a scientist test a hypothesis using experiments?