

Chem 9 - Chapter 1 Study Guide

Where is the independent variable located on a graph?

Where is the dependent variable located on a graph?

What is an independent variable?

What is a dependent variable?

What is an example of an independent variable?

What is an example of a dependent variable?

What is the SI unit for mass, length, amount of substance, time...?

Convert the following.

3m = ___ cm, 4.5 cm = ___ mm, 3.456 km = ___ cm, 3.4 hl = ___ L = ___ ml

Terms

What are the 3 types of graphs?

Give 3 examples for each type of graph.

How many cm are there in 45.67 hm?

What are the steps to the scientific method?

You measure your car to be 22 boxes long. Your friend measures a car to be 26 boxes long. Explain how the car that is 22 boxes long could be longer than the car that is 26 boxes long.

Give 3 examples for each main branch of science.

45 cm * 0.99 m = _____ m

22.05 cm * 5 m = _____ cm

What type of graph would you use to graph the high temperatures for a month? (1)

789 m = _____ km

465 km = _____ mm

What is a constant in an experiment?

What type of graph would you use to graph the number of people that have pets? (1)

Base unit for mass _____

What variable changes because of another variable?

250 dam = _____ mm

How many days in 12345678 second?

What type of graph would you use to graph attendance at a ball game over a year?

45 m * 0.258 km * 55 cm = _____ m (sig figs)

132 mg * 55 kg * 0.0025 g = _____ g (sig figs)

456 dm = _____ m

What variable do you change?

158 g / 5.5 mL = _____ g/ml (sig figs)

5888 cm * 5 m = _____ m (sig figs)