

Chem 111 exam 1 S07 study guide

You should be able to describe and draw a picture of what each would look like on the microscopic scale of:

Heterogeneous mixture

Homogeneous mixture

Pure substance

Element

Compound

Matter

The states of matter, how are they different

Solid

Liquid

Gas

What chemistry is

You should be able to use the scientific method

You should be able to use the physical or chemical properties definition to determine if a substance is a compound or element.

You should be able to do unit conversions for the units you have been asked to remember

You should be able to use scientific notation

You should be able to determine the correct significant digits

You should be able to determine the ratio of elements in a compound

You should be able to describe the atomic theory (basic)

You should be able to determine the number of protons, neutrons, electrons in an element

You should be able to label the different regions of the periodic chart, metals, non-metal, metalloids

You should be able to give the symbol and/or the name of an element of the periodic chart