

## Science Study Guide and Vocabulary Test 1

### Unit 1 Vocabulary

science – an organized way people observe and describe the natural world

scientific method – a series of steps that scientists use to answer questions and solve problems

hypothesis – a possible explanation or answer to a question (educated guess)

observation – to study closely by using the 5 senses (sight, hearing, smell, taste and touch)

conclusion – a decision or opinion reached by reasoning

scientific method – a series of steps that scientists use to answer questions and solve problems

analyze – to look at carefully to determine why something happened

procedure - a series of steps that a scientist's follows to perform an experiment

variable – the one factor (thing) that changes in an experiment

theory – an explanation that is based on observations and testing to explain a large number of facts

metric system – a measurement system that uses meters to measure length, grams to measure mass, and liters to measure volume

meter – the unit to measure length in the metric system

liters- the unit used to measure volume in the metric system

grams- the unit used to measure mass in the metric system

cell – a structure that has all the parts necessary for life

stimulus – a change in an organism's surroundings that changes what the organism does

DNA- the part of a cell that has directions to make proteins

Notes to Study: General Lab Rules, Scientific Method Notes, Scientific Method Example (Strep Throat) How Do Scientists Measure Notes, and Characteristics of Living Things Notes