

Scientist & Matter Study Guide

Test is scheduled for September 27, 2016

What are the 3 states of matter?	Solids, liquids, gases
How would you describe the particles in a solid?	Packed tightly together, hardly any movement.
What are examples of solids?	Ice, wood, pencil, glass
How would you describe the particles in liquids?	Held less tightly together, flow past one another
What are examples of liquids?	Liquid water, soda, milk, melted ice cream
How would you describe the particles in a gas?	Far apart, move quickly
What are examples of a gas?	Air, oxygen, water vapor, carbon dioxide
What types of questions can be investigated by a scientist?	Questions that can be proven, not opinions Ex: What type of soil do plants grow best in?
What is a microscope used for?	To look at very small things.
What is a scientist?	Someone who asks questions about the natural world.
Why are you a scientist?	Anyone can be a scientist if they ask questions and look for answers.
How can scientists communicate the results of their experiment?	chart, graph, pictures, words, numbers
What are the 5 senses that scientists use when they make observations?	Smell, Sight, Touch, Taste, Hear
What is matter?	Anything that takes up space and has mass.
What are properties of matter?	Size, Shape, Color, Texture, Hardness, If it can sink or float
What words can be used to describe the texture of an object?	How it feels to the touch ex: bumpy, smooth
Be able to identify materials certain objects are made of. Ex: Pencils are made of wood, a brush is made of plastic, a chair leg is made of metal	
***Students will need to know the uses of the following <u>measuring tools</u> : ruler, measuring cup, meter stick, thermometer, measuring tape, scale	