

Name: _____ Date: _____ Period: _____

Reading Guide: 1.1 The Nature of Science

Why might a scientist perform experiments?

- _____
- _____
- _____
- _____
- _____

- _____ the science of matter and energy
- _____ the science of the balance of nature
- _____ the science of the physical nature and history of the Earth
- _____ the study of the forces that affect the Earth
- _____ the science of the atmosphere and weather
- _____ the science of forces and energy
- _____ the science of animals

Science is _____, _____ and _____ to find the nature of things.

when scientist do experiments to learn more about the world, they are practicing _____.

Science has two main branches:

- _____ which deals with individual and groups of humans
- _____ which tries to understand how the whole universe behaves

When engineers use the knowledge of science for practical applications, it is called _____.

What are the three major sub-division of natural science?

- _____
- _____
- _____

A _____ tells how a process in nature works. It has been tested by repeated experiments.

A _____ is an explanation for some phenomenon. A theory is based on _____, experimentation and _____.

A scientific _____ is a representation of an object or event that can be studied to understand the real object or event.

Some branches of Natural Science are:

- _____ the study of the matter in living things
- _____ the science of plants