

Objective: Define science

Science is a system

The word science has many definitions. In general, science is the _____ effort to _____ the history of the _____ and how the natural world _____ with observable _____ that supports these ideas. In other words, science is the process of people trying to understand how the world works. We support our ideas with evidence. Without this evidence, our ideas cannot be accepted. People who study the world are called _____.

There are many types of science

There are two main branches of science: _____ science and _____ science. Life science focuses on the science of _____. This science is often referred to as _____. Physical science focuses on all _____ aspects of our world. Many subjects are included in physical science: _____, _____, and _____.

Just to see...

See how many scientist names you can match to the correct description. Draw a line from the name of the scientist to the correct description.

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|---------------|--------------------------------------|
| Mycologist | - Scientist that studies insects |
| Seismologist | - Scientist that studies fungus |
| Hyrdologist | - Scientist that studies fish |
| Entomologist | - Scientist that studies birds |
| Ichthyologist | - Scientist that studies water |
| Ornithologist | - Scientist that studies earthquakes |

Try it Out

1. In your own words, what is science?

2. What are the two main fields of science?

3. What is another type of physical science not mentioned in these notes? (Hint: look up; really, really, really far up!) _____

Questions for Review

Use these questions to help you review the information.

- What is science?
- Why do scientists need evidence to support their ideas?
- What types topics are studied by biologists?