

Florida Science Grade 6: Virtual Labs

How are living things classified into groups?

How can microscopic protists and fungi be characterized?

How are the traits of parents inherited and expressed in offspring?

What are the major bones of the human body?

How do the parts of the respiratory system work together?

How does the body protect itself against foreign substances?

What are the advantages of alternative energy sources?

How do meteorologists predict the weather?

How are materials from Earth broken down?

How do certain factors affect the erosion of soil by water?

Where do most earthquake epicenters and volcanoes occur?

How are graphs used to represent data?

How are physical and chemical changes distinguished?

How can a molecular model be built?

How is momentum conserved in a vehicle collision?

How is energy converted from one form to another?

How are voltage, current, and resistance related?

What are some characteristics of waves?

How do Earth and the moon interact to cause the moon's phases?

How does an artificial satellite stay in orbit?

Florida Science Grade 7: Virtual Labs

[How is a controlled experiment performed?](#)

[How can a type of material be identified by its physical and chemical properties?](#)

[How can you simulate the radioactive half-life of an element?](#)

[What is the relationship between distance, average speed, and time?](#)

[What is the relationship between work, force, and distance?](#)

[What are the relationships between kinetic energy and potential energy?](#)

[How is an oscilloscope used to tune a musical instrument?](#)

[How are rocks classified?](#)

[How can fossil and rock data determine when an organism lived?](#)

[How do Earth and the moon interact to cause the moon's phases?](#)

[How do animal and plant cells work?](#)

[What is the life cycle of a simple plant?](#)

[Which colors of the light spectrum are most important for plant growth?](#)

[How are mollusks, worms, arthropods, and echinoderms related?](#)

[How do mealworms behave in response to various stimuli?](#)

[How do organisms react to changes in abiotic factors?](#)

[How do introduced species impact the environment?](#)

[How much landfill space can be saved each year by recycling?](#)

[How can we conserve water?](#)

Florida Science Grade 8: Virtual Labs

[How is a controlled experiment performed?](#)

[Where do most earthquake epicenters and volcanoes occur?](#)

[How do glaciers shape the land?](#)

[How is an atoms structure related to its position on the periodic table?](#)

[How can you tell which elements form chemical bonds?](#)

[How does thermal energy affect the state of a substance?](#)

[How does horizontal motion affect vertical motion?](#)

[What is Newton's second law of motion?](#)

[What is the electromagnetic spectrum?](#)

[How do the insulation properties of various materials compare?](#)

[What are the dimensions of the solar system?](#)

[How does the chemical composition of stars determine their classification?](#)

[What is the role of DNA and RNA in protein synthesis?](#)

[What are the functions of the parts of a flower?](#)

[What are the stages of development before birth?](#)

[How are traits passed from parents to offspring?](#)

[How can natural selection be modeled?](#)

[How is energy transferred through a community of organisms?](#)

[What are some characteristics of the ocean and ocean floor?](#)

[How much electricity is used in a house?](#)