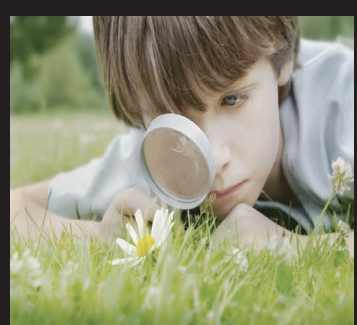




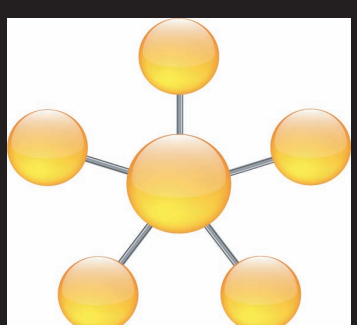
Fundamental Science Concepts For Middle Grades

Inquiry



How can I use scientific processes to learn what I want to know?

What are things made of?



Atoms: All matter on Earth is made of about 100 different types of atoms (elements).

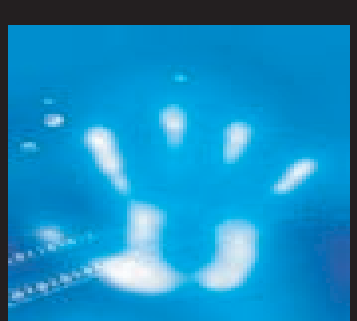


Cells: Cells are the basic units of all living organisms.

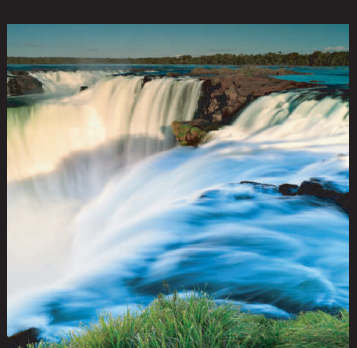


Radiation: Electromagnetic radiation, including visible light, pervades the Universe.

How do systems interact and change?



Systems Change: Changes in a system are caused by interactions.



Forces: Parts of systems interact with each other through forces.



Energy: Energy exists in many different forms and can be transferred, transformed, and stored.



Conservation of Mass and Energy: A quantity that is conserved cannot be created nor destroyed.



Variation: Populations of species evolve in response to environmental changes.