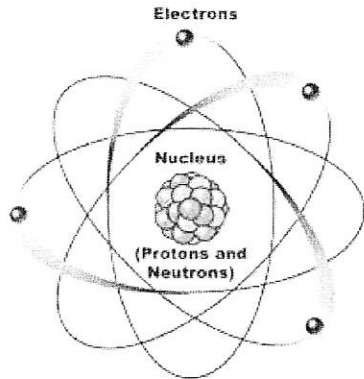


Examples of Scientific Models

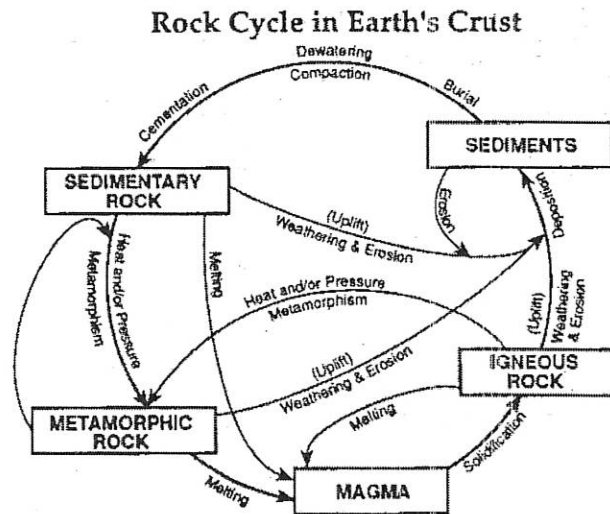
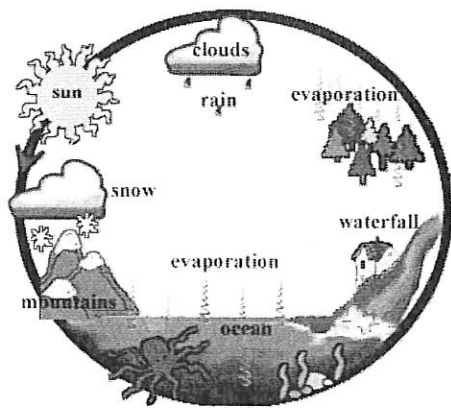
A model is a representation that can explain how a phenomenon works and make predictions about how it behaves.

All models have limitations. They do not show all aspects of a phenomenon accurately. Good models are useful, but not perfect.

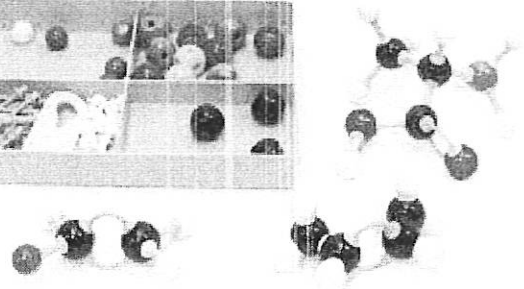
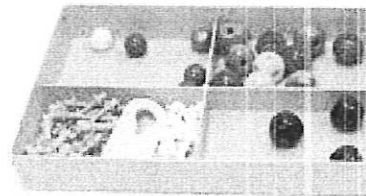
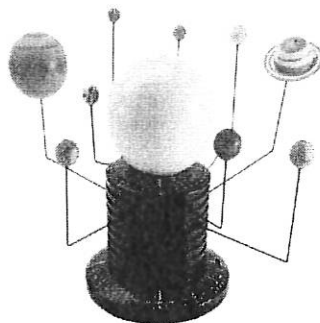
Diagrams



The Atom.



3D Models



Math Formulas

$$A^2 + B^2 = C^2$$

Pythagorean
Theorem

$$y = mx + b$$

Equation of a line

$$E = mc^2$$

Einstein's Theory of
Relativity

Analogies

Molecules in a solid are like sardines in a can because they are packed together.
Molecules in a gas are like bumper cars because they are moving fast and bumping into each other.

Computer Simulations

