









# Understandings about the Nature of Science

-  **Scientific Investigations Use a Variety of Methods**
-  **Scientific Knowledge is Based on Empirical Evidence**
-  **Scientific Knowledge is Open to Revision in Light of New Evidence**
-  **Science Models, Laws, Mechanisms, and Theories Explain Natural Phenomena**

-  **Science is a Way of Knowing**
-  **Scientific Knowledge Assumes an Order and Consistency in Natural Systems**
-  **Science is a Human Endeavor**
-  **Science Addresses Questions About the Natural and Material World**