

## Science, Matter, and Energy Reading Guide

1. What is science?
2. What assumption is the work of science based on?
3. What are some processes and skills that scientists use as they do their work?
4. What is a hypothesis? What is a scientific theory? What is a scientific law?
5. Why should scientific theories not be taken lightly?
6. How does science compare to technology?







25. What are the first and second laws of thermodynamics?

26. How can energy be changed?

27. Why can we not “break even” in terms of energy quality?