

Name _____ Date _____ Core _____

Science and Engineering Study Guide

Scientific Method- Use the scientific method reading and your notebook

- 1) Why do scientists conduct testing to answer questions?
- 2) What is a hypothesis and why do scientists form hypotheses?
- 3) How do scientists decide what they will research?
- 4) What is the difference between observation and inference?

Science and Engineering Practices- Use the scientific method reading and your notebook
Explain and give an example for each of the following SEPs.

- 5) Asking questions and defining problems
- 6) Developing and using models
- 7) Planning and carrying out investigations
- 8) Analyzing and interpreting data
- 9) Using mathematics and computational thinking
- 10) Constructing explanations and designing solutions
- 11) Engaging in argument from evidence
- 12) Obtaining, evaluating, and communicating information