

Name: _____

Matter and Energy Test Study Guide

Scientific Method Review (SCI 6.1)

1. List the three main types of data graphs and the purpose for each:

Type	Purpose

2. Explain why it is important that scientists around the world use the International System of Units to report data. _____

Matter & Energy (SOL 6.2, 6.4, & 6.9)

Essential Question: What is the relationship between matter and energy?

Textbook Help: pgs. _____

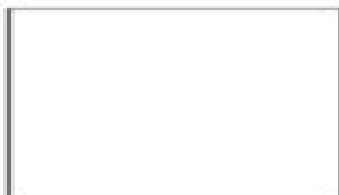
3. What is matter? _____
4. What is matter made of? _____
5. What is energy? _____
6. Why does matter need energy? _____

Essential Question: What is the basic structure of an atom?

Textbook Help: pgs. _____

7. What is an element? _____
8. Name the 3 subatomic particles that make up an atom. _____
9. Atomic Structure: Use the information in the Periodic Table to draw and label a model of an atom of the following elements.

BORON



LITHIUM



Essential Question: How are the atoms of two elements alike and different?

Textbook Help: pgs. _____

10. What subatomic particle determines an element's position in the periodic table? proton
11. What do we call this number when it appears on the periodic table? atomic #
12. What subatomic particle can you count in a model of an atom to determine the name of the element? protons

Matter And Energy Quiz Study Guide

Lingsheng Yao



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