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Scientific Method Review (SCI 6.1)

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

Туре	Purpose	
2000		

 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? <u>Textbook Help:</u> pgs.

- 7. What is an element? _____
- 8. Name the 3 subatomic particles that make up an atom.
- 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? <u>proton</u>
- 11. What do we call this number when it appears on the periodic table? ____atomic #___

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