



# Linking Literacy

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Guide with Evidence

**Directions:** Carefully read the statements below. Think about each statement and determine if you generally agree or disagree with it by marking an X next to your answer. As you read the article, select text that provides evidence for or against the statements.

Agree	Disagree	Statement:
	X	Protons are negative and located outside of the nucleus.
Paragraph # 6		Evidence: Protons are positively charged particles found in the nucleus of an atom.

Agree	Disagree	Statement:
X		Neutrons do not affect the overall charge of the atom.
Paragraph # 6		Evidence: Neutrons do not have an electrical charge. They are neutral.

Agree	Disagree	Statement:
	X	Having the same number of protons and electrons results in a positively charged atom.
Paragraph # 8		Evidence: If the number of protons equals the number of electrons, the atom does not have an electrical charge and is neutral. In other words, the positives and negatives balance out.



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Agree	Disagree	Statement:
	X	Electrons make up most of the atom's mass.
Paragraph # 8		Evidence: The mass of one electron is negligible at $9.11 \times 10^{-31}$ kg.
Agree	Disagree	Statement:
	X	Compounds with the same elements create the same substances.
Paragraph # 12		Evidence: Just because two compounds have the same elements does not mean they are the same substance.
Agree	Disagree	Statement:
	X	All molecules are compounds.
Paragraph # 10		Evidence: Molecules are the simplest unit of a chemical compound that can exist and are formed when two or more atoms join together chemically.
Agree	Disagree	Statement:
X		Atoms that have no specific arrangement are still considered solid matter.
Paragraph # 13		Evidence: In non-ordered solids, there is no specific arrangement for atoms; they look disordered.