

Trendy Toons

Name: _____

	4. Distinguished	3. Proficient	2. Apprentice	1. Novice
Properties of Elements: I will predict the properties of elements based on their position in the periodic table.	At least 3 chemical and physical properties of each element are described. The group and period of each element is stated.	At least 3 chemical and/or physical properties of each element are described. The group and period of each element is stated.	At least 2 chemical and/or physical properties of each element are described. The group and period of each element is stated.	At least 1 chemical and/or physical properties of each element are described. The group and period of each element is missing.
Comparison of Elements: I will compare and contrast elements according to the atomic radius, electronegativity, ionization energy, and metallic reactivity.	Both elements are compared and contrasted according to the atomic radius, electronegativity, and ionization energy using quantitative and qualitative means.	Both elements are compared and contrasted according to the atomic radius, electronegativity, and ionization energy using quantitative and/or qualitative means.	Elements are compared and contrasted according to the atomic radius, electronegativity, or ionization energy using quantitative and/or qualitative means. Described 2 of the 3 characteristics.	Elements are compared or contrasted according to the atomic radius, electronegativity, or ionization energy using quantitative and/or qualitative means. Described 1 of the 3 characteristics.
Atomic Structure vs. Characteristics: I will explain how the structure of an atom influences the atomic radius, electronegativity, and ionization energy.	Both element's characteristics are explained and compared based on the atomic structure. Explanation is descriptive, conceptually correct, and is explained for atomic radius, electronegativity, and ionization energy.	Both element's characteristics are explained and compared based on the atomic structure. Explanation is conceptually correct, and is explained for atomic radius, electronegativity, and ionization energy.	Both element's characteristics are explained and compared based on the atomic structure. Explanation is not conceptually correct for one of the characteristics.	Both element's characteristics are explained and compared based on the atomic structure. Explanation is not conceptually correct for two or more of the characteristics.
Quality of Product: Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.	Product clearly communicates and creatively expresses the content required. Platform, tool, style, format and digital media are appropriate to their goals.	Product communicates and expresses the content required. Platform, tool, style, format and digital media are appropriate to their goals.	Product does not communicate and express the content required. OR Platform, tool, style, format and digital media are not appropriate to their goals.	Product does not communicate and express the content required. AND Platform, tool, style, format and digital media are not appropriate to their goals.

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