

Name: _____

Class Period: _____

Physical Science Course 1 Assessments Proficiency Sheets

Physical Science Course 1 Chemistry: Atomic & Nuclear Theory & The Periodic Table 28% of Milestones Assessment

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Assessment	Score/%	Date Passed
Properties of Water – I can describe and explain the physical and chemical properties of water.		
Periodic Table (Periodic Table) – I can analyze and interpret simple data to determine trends of the following: number of valence electrons; types of ions formed by main group elements; location and properties of metals, nonmetals, and metalloids; and phases at room temperature. – I can use the Periodic Table as a model to predict the properties of main group elements.		
Atomic Structure (Atomic Structure) – I can develop and use models to compare and contrast the structure of atoms.		
Ions (Ions and Isotopes) – I can develop and use models to compare and contrast the structure of ions.		
Isotopes (Ions and Isotopes) – I can develop and use models to compare and contrast the structure of isotopes.		
Fission & Fusion/Advantages & Disadvantages of Nuclear Energy (Nuclear Energy) – I can construct arguments based on evidence about the applications, benefits, and problems of nuclear energy as an alternative energy source. – I can develop a model that illustrates how the nucleus changes as a result of fission and fusion.		
Half-life & Radioactive Decay (Half-life) – I can use mathematics and computational thinking to explain the process of half-life as it relates to radioactive decay.		
Course 1 Assessment: Periodic Table, Atomic Structure, & Nuclear Theory		
- Periodic Table		
- Atomic Structure		
- Ions and Isotopes		
- Nuclear Energy		
- Half-life		

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