

Science Grade 9 June 2020

Science Grade 9							
Outcome	The student is having difficulty demonstrating an understanding of the concept.	ence: Atoms and Ele 2 – Approaching The student is developing an understanding of the concept.	The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this			
AE9.1 Distinguish between physical and chemical properties of common substances, including those found in household, commercial, industrial, and agricultural applications.	I can identify some physical and chemical properties of common substances that are typically used for A FEW of the following applications: household, commercial, industrial, and agricultural.	I can identify some physical and chemical properties of common substances that are typically used for MANY of the following applications: household, commercial, industrial, and agricultural.	I can differentiate the physical and chemical properties of common substances that are typically used for ALL of the following applications: household, commercial, industrial, and agricultural.	I can classify common substances typically used for ALL of the following applications: household, commercial, industrial, and agricultural, according to their physical and/or chemical properties.			

Comments



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Science Grade 9 Physical Science: Atoms and Elements (AE)						
With help, I can represent some of the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model.	I can represent some of the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model.	I can represent the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model.	I can compare the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model.			
With help, I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR Bohr model.	I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR Bohr model.	I can compare historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, AND Bohr model.	I can propose the strengths and limitations of models in science using historical and contemporary examples of atomic models.			
	1 - Beginning The student is having difficulty demonstrating an understanding of the concept. • With help, I can represent some of the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model. • With help, I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR	Physical Science: Atoms and Ele 1 - Beginning The student is having difficulty demonstrating an understanding of the concept. • With help, I can represent some of the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model. • With help, I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR 1 can represent some of the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model. • I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR	Physical Science: Atoms and Elements (AE) 1 - Beginning The student is having difficulty demonstrating an understanding of the concept. • With help, I can represent some of the major historical atomic models of the atom, including Dalton model, Rutherford model, AND Bohr model. • With help, I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR • With help, I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR • I can represent some of the major historical atomic models of the atom, including Dalton model, Thomson model, Rutherford model, AND Bohr model. • I can describe historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR • I can compare historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR • I can compare historical explanations for the structure of matter up to and including: Dalton model, Thomson model, Rutherford model, OR			



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Physical Science: Atoms and Elements (AE)						
Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.		
AE9.3 Demonstrate an understanding of the classification of pure substances (elements and	With help, I can classify pure substances as being either elements or compounds.	I can classify pure substances as either elements or compounds.	I can justify my reasons for classifying pure substances as either elements or compounds.	I can develop methods for classifying pure substances as either elements or compounds, and explain my reasoning.		
compounds), including the development and nature of the Periodic Table.	With help, I can describe the different structures and patterns in the Periodic Table.	I can describe the different structures and patterns in the Periodic Table.	I can describe the development of the Periodic Table, including its structures and patterns.	I can compare the modern periodic table to alternative arrangements that convey information about the classification of elements.		
	With help, I can use the Periodic Table to find information on an element.	I can use the Periodic Table to find information on an element.	I can use the Periodic Table to differentiate information on the elements.	I can use the different structures and patterns in the Periodic Table to predict the properties of an element or family of elements.		
Comments						