Name: Jack MonoLucas Date: 18/03/22

Student Exploration: Element Builder

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

Vocabulary: atom, atomic number, electron, electron dot diagram, element, energy level, ion, isotope, mass number, neutron, nucleus, periodic table, proton, radioactive, valence electrons

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

- What are some of the different substances that make up a pizza?
- What substances make up water?
- 3. What substances make up an iron pot?

Cheese, dough, and sauce	
Hydrogen and oxygen	
Iron	

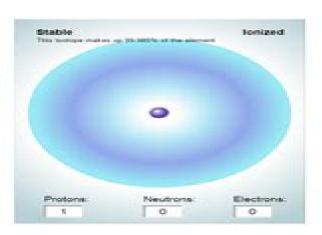
Elements are pure substances that are made up of one kind of **atom**. Pizza is not an element because it is a mixture of many substances. Water is a pure substance, but it contains two kinds of atom: oxygen and hydrogen, Iron is an element because it is composed of one kind of atom.

Gizmo Warm-up

Atoms are tiny particles of matter that are made up of three particles: protons, neutrons, and electrons. The Element Builder Gizmo shows an atom with a single proton. The proton is located in the center of the atom, called the nucleus.

- Use the arrow buttons () to add protons, neutrons, and electrons to the atom. Press Play ().
 - A. Which particles are located in the nucleus?
 - B. Which particles orbit around the nucleus?
 - C. Turn on Show element name. What causes the element name to change?

protons and nuetrons
electrons
the amount of protons



Answers Gizmo Element Builder

Daniela Niemeyer

Answers Gizmo Element Builder:

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issues offering a detailed description to increase understanding of these areas whilst Real Life examples put research methods into context by showing how they have been applied in real world situations New pedagogy features include Research in Practice boxes provide an insight into situations and research decisions that students may encounter in real life projects They contain hints tips and sometimes questions to help think through a project Theory Explained highlights key theories and demonstrates how these can be applied in practical research examples Statistics in Action provides practical alternatives to qualitative research methods and gives examples of how statistical data can be presented analyzed and interpreted to improve students data insights skills The Online Learning Centre contains a vast amount of extra resources to support lecturers and student including power points instructor manuals and a question bank New to this edition are short case studies with teaching notes covering current topics and key theories and worked examples and videos with associated questions for further practical exercises and real world examples Boris F Blumberg is Senior Lecturer and Executive Director of UMIO the postgraduate unit at the Maastricht University School of Business and Economics the Netherlands Boris has supervised hundreds of dissertations and teaches courses in strategic management entrepreneurship and innovation His research focuses mainly on entrepreneurship networks and methodology Claire MacRae is Senior Lecturer in Public Policy at the Centre for Public Policy University of Glasgow Claire has taught courses on research methods for undergraduate masters and Professional Doctorate students Her research focuses mainly on policymaking risk and resilience and the impact of policy design and implementation on society Sif Physics Ol Tb Wan Yong Loo, 2007 The Atlantic Monthly James Russell Lowell, James Thomas Fields, William Dean Howells, Thomas Bailey Aldrich, Horace Elisha Scudder, Walter Hines Page, Bliss Perry, Ellery Sedgwick, 1977 F & S Index United States Annual ,2007

Answers Gizmo Element Builder Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the power of words has be evident than ever. They have the capability to inspire, provoke, and ignite change. Such could be the essence of the book **Answers Gizmo Element Builder**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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