

Quiz 5 - Atomic Development

Complete the following quiz based on the in class discussion and notesets

* Indicates required question

1. Email *

2. Democritus first created the concept of the atom. Democritus was which of the following? *

2 points

Mark only one oval.

- A Scientist
- A Fast Food Worker
- A Philosopher
- A Cat Groomer

3. What did the greeks add to the atomic theory around 4000 years ago? *

2 points

Mark only one oval.

- The discovery of electrons
- The discovery of pineapple pizza
- The discovery of boiling water
- The discovery of States of Matter

4. Alchemists were responsible for which of the following classifications? *

2 points

Mark only one oval.

- Number of Neutrons
- Elements and Atomic Symbols
- Atomic Number
- The Recipe for Peanut Butter Cups

5. The law of definite proportions (Proust's Law) states which of the following? *

2 points

Mark only one oval.

- All atoms are the same element in nature
- Matter can't be created or destroyed
- Mass in the Universe is always increasing
- All molecules of a substance are the same

6. Which of the following is not a principle proposed by Dalton? *

2 points

Mark only one oval.

- Atoms can easily be divided into multiple pieces
- Element atoms are all the same
- Compounds are combination of atoms
- Chemical reactions rearrange atoms

7. Thomson is best known for his plum pudding model due to the discovery of which of the following? * 2 points

Mark only one oval.

- Protons
 Electrons
 Neutrons
 Nucleus

8. Rutherford used which of the following particles to discover the nucleus of the atom? * 2 points

Mark only one oval.

- Gamma Rays
 Alpha Particles
 Beta Particles
 Additional protons

9. Which particle did Chadwick discover by shooting alpha particles at Beryllium metal? * 2 points

Mark only one oval.

- Proton
 Electron
 Neutron
 Nucleus

10. Which subatomic particles attract each other in an atom? * 2 points

Mark only one oval.

- Protons with Protons
 Electrons with Electrons
 Protons with Electrons
 Neutrons with Neutrons

11. Which particles are commonly found in the nucleus of the atom? * 2 points

Mark only one oval.

- Protons and Electrons
 Protons and Neutrons
 Electrons and Neutrons
 Protons, Electrons, and Neutrons

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