

Name: _____

Unit 3 Lesson 1 Quiz

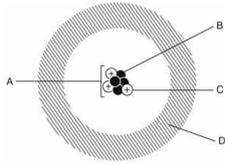
1. An atom's mass number is 210 and its atomic number is 85. How many neutrons does the atom have?
 - A. 85
 - B. 125
 - C. 210
 - D. 295

2. Think about a wooden chair and a balloon. What do these two objects always have in common?
 - A. Both are made of atoms.
 - B. Both have the same mass number.
 - C. Both are made of the same kind of atom.
 - D. Both are made of the same number of atoms.

3. Which of the following scientists added negatively-charged particles to the model of the atom?
 - A. Niels Bohr
 - B. John Dalton
 - C. Ernest Rutherford
 - D. J. J. Thomson

4. Calcium is an element. What is the smallest particle of calcium that has all the chemical properties of calcium?
 - A. an atom of calcium
 - B. a proton from a calcium atom
 - C. an electron from a calcium atom
 - D. a molecule that contains calcium

5. The diagram below shows a model of an atom.



Which label points to the nucleus?

- A. A
- B. B
- C. C
- D. D

Unit 3 Lesson 1 Quiz

ANSWER KEY

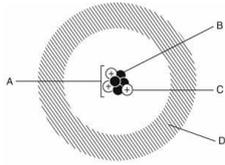
1. An atom's mass number is 210 and its atomic number is 85. How many neutrons does the atom have?
 - A. 85
 - B. 125
 - C. 210
 - D. 295

2. Think about a wooden chair and a balloon. What do these two objects always have in common?
 - A. Both are made of atoms.
 - B. Both have the same mass number.
 - C. Both are made of the same kind of atom.
 - D. Both are made of the same number of atoms.

3. Which of the following scientists added negatively-charged particles to the model of the atom?
 - A. Niels Bohr
 - B. John Dalton
 - C. Ernest Rutherford
 - D. J. J. Thomson

4. Calcium is an element. What is the smallest particle of calcium that has all the chemical properties of calcium?
 - A. an atom of calcium
 - B. a proton from a calcium atom
 - C. an electron from a calcium atom
 - D. a molecule that contains calcium

5. The diagram below shows a model of an atom.



Which label points to the nucleus?

- A. A
- B. B
- C. C
- D. D