ARKANSAS CHEMISTRY · UNIT 1 · 10 QUESTIONS

Matter and Atomic Structure — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A sample has mass 60 grams and volume 20 cm³, what is its density in grams per cm³**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **An atom has atomic number 17 and mass number 35, how many neutrons does it have**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **An atom has 20 protons and 20 neutrons, what is its mass number**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A neutral atom has 15 protons, how many electrons does it have**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **In the Bohr model, electrons in energy levels closer to the nucleus have**

- A Higher energy
- B Lower energy
- C No energy
- D Infinite energy

Understand It with Pulse | Flag a mistake

6 **When an excited electron falls to a lower energy level, it releases energy as**

- A Heat only
- B A proton
- C Light
- D A neutron

Understand It with Pulse | Flag a mistake

7 **The periodic table period number gives the number of electron shells in the**

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Question 7

The periodic table period number gives the number of electron shells in the

A) Ion only

B) Nucleus

C) Molecule

D) Ground state atom

A Ion only

B Nucleus

C Molecule

D Ground state atom

A Ion only

B Nucleus

C Molecule

D Ground state atom

Understand It with Pulse

Flag a mistake

8 **A metalloid, such as silicon, has properties between those of**

A Metals and nonmetals

B Gases and liquids

C Acids and bases

D Ions and atoms

Understand It with Pulse | Flag a mistake

9 **A mixture can be separated by physical means because its components are**

A Always gases

B Not chemically bonded

C Always liquids

D Chemically bonded

Understand It with Pulse | Flag a mistake

10 **Chromatography separates mixtures based on differences in how components move through a**

A Nucleus

B Electric field only

C Stationary phase

D Magnetic field only

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 3
2. 18
3. 40
4. 15
5. B
6. C
7. D
8. A
9. B
10. C

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