NORTH CAROLINA CHEMISTRY · UNIT 1 · 10 QUESTIONS

Matter and Atomic Structure, 10-question test — 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 **The atomic number of an element is the number of**

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Question 1

The atomic number of an element is the number of

A) protons

B) neutrons

C) electrons plus neutrons

D) protons plus neutrons

A protons

B neutrons

C electrons + neutrons

D protons + neutrons

A protons

B neutrons

C electrons + neutrons

D protons + neutrons

Understand It with Pulse

Flag a mistake

2 Sand can be separated from water by

2 **Sand can be separated from water by**

Question 2

Sand can be separated from water by

A) evaporation only

B) filtration

C) condensation

D) freezing only

A evaporation only

B filtration

C condensation

D freezing only

A evaporation only

B filtration

C condensation

D freezing only

Understand It with Pulse | **Flag a mistake**

3 **A sample has mass 120 g and density 3 g per cubic centimeter. Its volume, in cubic centimeters, is _____**

3 **A sample has mass 120 g and density 3 g per cubic centimeter. Its volume, in cubic centimeters, is _____**

Question 3

A sample has mass 120 g and density 3 g per cubic centimeter. Its volume, in cubic centimeters, is ____

ANSWER

Understand It with Pulse | Flag a mistake

4 **The maximum number of electrons in the first energy level is**

4 **The maximum number of electrons in the first energy level is**

Question 4

The maximum number of electrons in the first energy level is

A) 2 B) 8

C) 18 D) 32

A 2

B 8

C 18

D 32

A 2

B 8

C 18

D 32

Understand It with Pulse Flag a mistake

5 **Metals are typically**

5 **Metals are typically**

Question 5

Metals are typically

A) dull and brittle

B) poor conductors of heat

C) gases at room temperature

D) good conductors of electricity

A dull and brittle

B poor conductors of heat

C gases at room temperature

D good conductors of electricity

A dull and brittle

B poor conductors of heat

C gases at room temperature

D good conductors of electricity

Understand It with Pulse | Flag a mistake

6 **Using whole number atomic masses (C = 12, O = 16), the molar mass of carbon dioxide, in grams per mole, is _____**

6 **Using whole number atomic masses (C = 12, O = 16), the molar mass of carbon dioxide, in grams per mole, is _____**

Question 6

Using whole number atomic masses (C = 12, O = 16), the molar mass of carbon dioxide, in grams per mole, is ____

ANSWER

Understand It with Pulse | Flag a mistake

7

Carbon-12 and carbon-14 differ in their number of

7

Carbon-12 and carbon-14 differ in their number of

Question 7

Carbon – 12 and carbon – 14 differ in their number of

A) protons

B) neutrons

C) electrons

D) energy levels

A protons

B neutrons

C electrons

D energy levels

A protons

B neutrons

C electrons

D energy levels

Understand It with Pulse

Flag a mistake

8 Which of these is a homogeneous mixture

8 Which of these is a homogeneous mixture

Question 8

Which of these is a homogeneous mixture

A) sand and water

B) oil and water

C) salt water

D) iron filings and sand

A sand and water

B oil and water

C salt water

D iron filings and sand

A sand and water

B oil and water

C salt water

D iron filings and sand

Understand It with Pulse

Flag a mistake

9 **An atom has mass number 27 and 14 neutrons. The number of protons in the atom is _____**

9 **An atom has mass number 27 and 14 neutrons. The number of protons in the atom is _____**

Question 9

An atom has mass number 27 and 14 neutrons. The number of protons in the atom is ____

ANSWER

Understand It with Pulse | Flag a mistake

10 Elements in the periodic table are arranged in order of increasing

10 Elements in the periodic table are arranged in order of increasing

Question 10

Elements in the periodic table are arranged in order of increasing

A) atomic mass

B) atomic number

C) density

D) reactivity

A atomic mass

B atomic number

C density

D reactivity

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. A
2. B
3. 40
4. A
5. D
6. 44
7. B
8. C
9. 13
10. B

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