CONNECTICUT CHEMISTRY · UNIT 1 · 25 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 **Which term matches this description: the smallest unit of an element**

- A Atom
- B Proton
- C Neutron
- D Electron

Understand It with Pulse | Flag a mistake

2 **Which term matches this description: a positively charged particle in a nucleus**

- A Neutron
- B Proton
- C Electron
- D Atomic number

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3 **Which term matches this description: a particle with no charge in a nucleus**

- A Electron
- B Atomic number
- C Neutron
- D Mass number

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4 **Which term matches this description: a negatively charged particle around a nucleus**

- A Atomic number
- B Mass number
- C Isotope
- D Electron

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5 **Which term matches this description: the number of protons in an atom**

- A Atomic number
- B Mass number
- C Isotope
- D Ion

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6 **Which term matches this description: the total number of protons and neutrons**

- A Isotope
- B Mass number
- C Ion
- D Element

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7 **Which term matches this description: an atom with the same protons but different neutrons**

- A Ion
- B Element
- C Isotope
- D Compound

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8 **Which term matches this description: an atom or group with a net electric charge**

- A Element
- B Compound
- C Mixture
- D Ion

Understand It with Pulse | Flag a mistake

9 **Which term matches this description: a pure substance of only one kind of atom**

- A Element
- B Compound
- C Mixture
- D Molecule

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10 **Which term matches this description: a substance of two or more elements chemically combined**

- A Mixture
- B Compound
- C Molecule
- D Periodic table

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11 **Which term matches this description: a combination of substances not chemically combined**

A Molecule

B Periodic table

C Mixture

D Metal

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12 **Which term matches this description: two or more atoms held together by bonds**

A Periodic table

B Metal

C Nonmetal

D Molecule

Understand It with Pulse | Flag a mistake

13 **Which term matches this description: a table organizing elements by properties**

A Periodic table

B Metal

C Nonmetal

D Metalloid

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14 **Which term matches this description: an element that is shiny and conducts heat and electricity**

A Nonmetal

B Metal

C Metalloid

D Group

Understand It with Pulse | Flag a mistake

15 **Which term matches this description: an element that is a poor conductor**

A Metalloid

B Group

C Nonmetal

D Period

Understand It with Pulse | Flag a mistake

16 **Which term matches this description: an element with properties of metals and nonmetals**

A Group

B Period

C Valence electron

D Metalloid

Understand It with Pulse | Flag a mistake

17 **Which term matches this description: a column of the periodic table**

A Group

B Period

C Valence electron

D Noble gas

Understand It with Pulse | Flag a mistake

18 **Which term matches this description: a row of the periodic table**

A Valence electron

B Period

C Noble gas

D Atom

Understand It with Pulse | Flag a mistake

19 **Which term matches this description: an electron in the outermost energy level**

A Noble gas

B Atom

C Valence electron

D Proton

Understand It with Pulse | Flag a mistake

20 **Which term matches this description: an element in the last group with a full outer level**

A Atom

B Proton

C Neutron

D Noble gas

Understand It with Pulse | Flag a mistake

21 **Which statement about Atom is correct**

A the smallest unit of an element

B a positively charged particle in a nucleus

C a particle with no charge in a nucleus

D a negatively charged particle around a nucleus

Understand It with Pulse | Flag a mistake

22 **Which statement about Proton is correct**

A a particle with no charge in a nucleus

B a positively charged particle in a nucleus

C a negatively charged particle around a nucleus

D the number of protons in an atom

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23 **Which statement about Neutron is correct**

- A a negatively charged particle around a nucleus
- B the number of protons in an atom
- C a particle with no charge in a nucleus
- D the total number of protons and neutrons

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24 **Which statement about Electron is correct**

- A the number of protons in an atom
- B the total number of protons and neutrons
- C an atom with the same protons but different neutrons
- D a negatively charged particle around a nucleus

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25 **Which statement about Atomic number is correct**

A the number of protons in an atom

B the total number of protons and neutrons

C an atom with the same protons but different neutrons

D an atom or group with a net electric charge

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. C
4. D
5. A
6. B
7. C
8. D
9. A
10. B
11. C
12. D
13. A
14. B
15. C
16. D
17. A
18. B
19. C
20. D
21. A
22. B
23. C
24. D
25. A

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