CONNECTICUT CHEMISTRY · UNIT 1 · 5 QUESTIONS

Matter and Atomic Structure — Practice Test

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1 **Which statement about Mass number is correct**

- A an atom with the same protons but different neutrons
- B the total number of protons and neutrons
- C an atom or group with a net electric charge
- D a pure substance of only one kind of atom

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2 **Which statement about Isotope is correct**

- A an atom or group with a net electric charge
- B a pure substance of only one kind of atom
- C an atom with the same protons but different neutrons
- D a substance of two or more elements chemically combined

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3 **Which statement about Ion is correct**

A a pure substance of only one kind of atom

B a substance of two or more elements chemically combined

C a combination of substances not chemically combined

D an atom or group with a net electric charge

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4 **Which statement about Element is correct**

A a pure substance of only one kind of atom

B a substance of two or more elements chemically combined

C a combination of substances not chemically combined

D two or more atoms held together by bonds

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5 **Which statement about Compound is correct**

A a combination of substances not chemically combined

B a substance of two or more elements chemically combined

C two or more atoms held together by bonds

D a table organizing elements by properties

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ANSWER KEY

1. B
2. C
3. D
4. A
5. B

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