DELAWARE 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 **Which term is defined as follows: an element that is dull, brittle, and a poor conductor?**

- A atom
- B element
- C nonmetal
- D compound

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2 **Which of the following is an example of nonmetal?**

- A a single oxygen atom
- B gold, made only of gold atoms
- C water, made of hydrogen and oxygen
- D sulfur as a yellow powder

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3 **Which statement best describes nonmetal?**

A nonmetals tend to gain electrons in reactions

B atoms combine to form molecules and compounds

C elements are listed on the periodic table

D a compound has properties unlike its elements

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4 **Which term is defined as follows: an atom or group with a net electric charge?**

A atom

B element

C compound

D ion

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5 **Which of the following is an example of ion?**

- A a sodium ion with a + one charge
- B a single oxygen atom
- C gold, made only of gold atoms
- D water, made of hydrogen and oxygen

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6 **Which statement best describes ion?**

- A atoms combine to form molecules and compounds
- B ions form when atoms gain or lose electrons
- C elements are listed on the periodic table
- D a compound has properties unlike its elements

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7 **Which term is defined as follows: two or more atoms bonded together?**

A molecule

B atom

C element

D compound

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8 **Which of the following is an example of molecule?**

A a single oxygen atom

B an oxygen molecule with two oxygen atoms

C gold, made only of gold atoms

D water, made of hydrogen and oxygen

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9 **Which statement best describes molecule?**

A atoms combine to form molecules and compounds

B elements are listed on the periodic table

C molecules are the units of molecular compounds

D a compound has properties unlike its elements

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10 **Which term is defined as follows: the total number of protons and neutrons in an atom?**

A atom

B mass number

C element

D compound

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ANSWER KEY

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

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