ARIZONA 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 mixture can be separated by filtration**



A Sugar and water

B Alcohol and water

C Sand and water

D Salt and water

Understand It with Pulse Flag a mistake

2 **Which of these is a chemical property**

A Melting point

B Boiling point

C Reacts with oxygen

D Colour

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3 **A neutral sulfur atom has atomic number 16. The number of electrons it has is ____**

ANSWER _____

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4

Oxygen has atomic number 8. How many valence electrons does an oxygen atom have

A 8

B 4

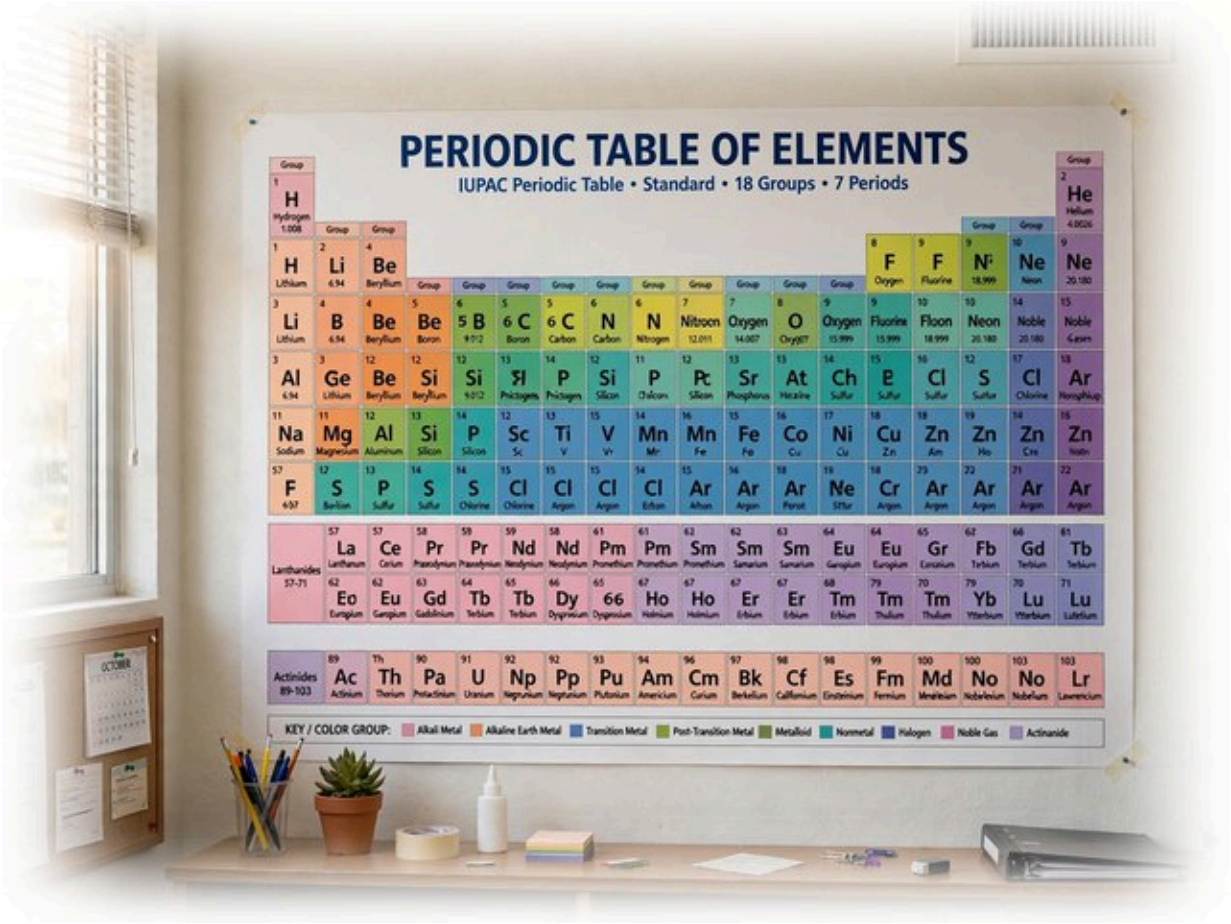
C 2

D 6

Understand It with Pulse

Flag a mistake

5 **Elements in Group 17 of the periodic table are called**



A Alkali metals

B Halogens

C Noble gases

D Alkaline earth metals

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6 **An atom has 11 protons and 12 neutrons. Its mass number is _____**

ANSWER _____

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7 **Which of these is an example of plasma**

A Ice

B Liquid water

C Solid salt

D Lightning

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8 **Which particle has no electric charge**

A Proton

B Electron

C Neutron

D Ion

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9 **A sample has mass 90 g and density 3 grams per cm³. Its volume, in cm³, is ____**

ANSWER _____

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10 **The modern periodic table orders elements by**

A Atomic mass

B Atomic number

C Density

D Colour

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ANSWER KEY

1. C
2. C
3. 16
4. D
5. B
6. 23
7. D
8. C
9. 30
10. B

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