# The Periodic Table - Set II

CHEM

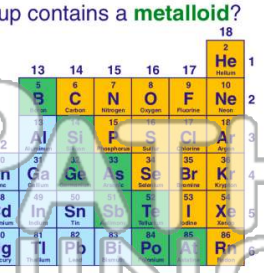
Name_____ Class_____ Date_____

1 A characteristic of a **nonmetal** is

**A** low ionization energy
**B** high electronegativity
**C** high electrical conductivity
**D** the ability to form positive ions

2 Which group contains a **metalloid**?

**A** 1
**B** 11
**C** 15
**D** 18



3 Which group contains elements that are **monatomic gases** at STP?

**A** 1

4 Which property is characteristic of **nonmetals**?

**A** They have a high electronegativity

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5

7

**A** Metallic character decreases, and electronegativity decreases.
**B** Metallic character decreases, and electronegativity increases.
**C** Metallic character increases, and electronegativity decreases.
**D** Metallic character increases, and electronegativity increases.

Periodic Table?

**A** They are determined by the number of neutrons.
**B** They are determined by the number of electrons in the first shell.
**C** They change in a generally systematic manner.
**D** They change in a random, unpredictable manner.

9 **Most** metals have the properties of

**A** brittleness and high ionization energy
**B** brittleness and low ionization energy
**C** ductility and high ionization energy
**D** ductility and low ionization energy

10 As the atoms in **Period 3** of the Periodic Table are considered from **left to right**, the atoms generally show

**A** an increase in radius and an increase in ionization energy
**B** an increase in radius and a decrease in ionization energy
**C** a decrease in radius and an increase in ionization energy
**D** a decrease in radius and a decrease in ionization energy

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1 A characteristic of a **nonmetal** is

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B

2 Which group contains a **metalloid**?

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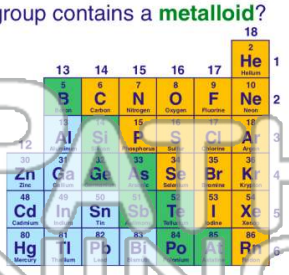
**D** 18



C

3 Which group contains elements that are **monatomic gases** at STP?

4 Which property is characteristic of **nonmetals**?

A

PREVIEW

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5

A

7

**A** Metallic character decreases, and electronegativity decreases.
**B** Metallic character decreases, and electronegativity increases.
**C** Metallic character increases, and electronegativity decreases.
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B

Periodic Table?

**A** They are determined by the number of neutrons.
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**C** They change in a generally systematic manner.
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C

9 **Most** metals have the properties of

**A** brittleness and high ionization energy
**B** brittleness and low ionization energy
**C** ductility and high ionization energy
**D** ductility and low ionization energy

D

10 As the atoms in **Period 3** of the Periodic Table are considered from **left to right**, the atoms generally show

**A** an increase in radius and an increase in ionization energy
**B** an increase in radius and a decrease in ionization energy
**C** a decrease in radius and an increase in ionization energy
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C

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