



برعاية معالي وزير التربية والتعليم

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وتوجيهات مساعد الوزير لشئون تطوير المناهج التعليمية  
والمشرف على الإدارة المركزية لتطوير المناهج

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اداءات وتقييمات

**الصف الثاني الاعدادى-Science**

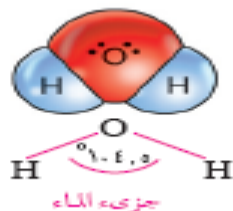
لجنة الاعداد والمراجعة

خبراء مكتب تنمية مادة العلوم

اشراف علمى

مستشار العلوم

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## THE WEEKLY TEST FOR THE THIRD AND FOURTH WEEK

### PREP 2

### SECOND LESSON

#### What is meant by .....?

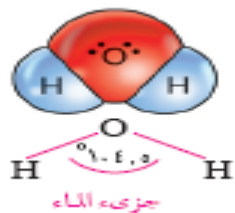
- 1- Electronegativity
- 2- Semi - metals
- 3- Acidic oxides
- 4- Picometre

#### Correct the underline words:

- 1- Atomic volume decreases as the atomic number increases in the same group.
- 2- An element with positive binary equivalent ion in the third period, its atomic number is 14.
- 3- Magnesium chemically reacts with Oxygen forming an acidic oxide.
- 4- Non-metal oxides turn red litmus paper into blue.
- 5- Calcium and Magnesium instantly react with water.
- 6- Liquid Sodium is used in food preservation.
- 7- Water and methane are polar compounds
- 8- In the Periodic Table, the first group elements are called inert gases.

#### What happens when ?

- 1- The electronegativity between the two elements of covalent compound is high
- 2- The atomic number increase in the same group related to atomic volume.
- 3- Putting a burnt coal in a cylinder full of oxygen (write the chemical equation )
- 4- The atomic number increase in the same period related to the metallic character



**How could you differentiate between ..?**

Element A lies in the first group of the third period and element B that lies in the seventh group of the third period according to :

- a- The atomic number
- b- The type of element
- c- The name of the group which it belongs

**Explain by the chemical equations for the reaction of .....**

- 1- Magnesium with Oxygen
- 2- Magnesium oxide with water
- 3- Chlorine gas with Sodium bromide

**Complete the following :**

- 1- The second period starts with the elements of the .....group and ends with the elements of the ..... group
- 2- The atomic diameter is ..... proportional with the atomic number of the elements in the same period.
- 3- CO<sub>2</sub> is a ..... acids while magnesium oxide is a ..... oxide.
- 4- The halogens elements are ..... valency because the outer energy level contains .....
- 5- ..... are covalent compounds , the electronegativity between its elements are relatively high
- 6- The alkali elements are ..... valency.
- 7- Mg + 2H<sub>2</sub>O → ..... + .....
- 8- ..... + H<sub>2</sub>O → .....
- 9- CO<sub>2</sub> + 2H<sub>2</sub>O → .....



**Study the opposite figure then answer :**

	P													S					
																	C	M	
	L																	D	

- 1- Determine the location of element (L) in the periodic table
- 2- What is the atomic number of element (S)?
- 3- What is the element with the largest atomic volume?
- 4- What is the name of the group that element (M) belongs to ?
- 5- Element (K) lies in the ..... group and belongs to ..... class
- 6- What is the result of the chemical reaction of element (L) with element (C)

**Study the following table then**

**answer:**

What are the symbols the represent the following?

- 1- Inert gases (..... , .....)
- 2- Alkali metals (..... , .....)
- 3- Halogens (..... , .....)
- 4- The most active metals (.....)
- 5- The most active non-metal (..... , .....)

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	A																		I	K	L	
		C																	H			O
	B																					M