



برعاية معالي وزير التربية والتعليم

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

د/ اكرم حسن

اداءات وتقييمات

الصف الثاني الاعدادى-Science

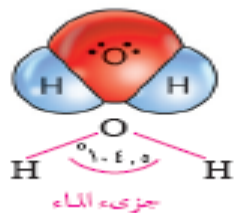
لجنة الاعداد والمراجعة

خبراء مكتب تنمية مادة العلوم

اشراف علمى

مستشار العلوم

د/ عزيزه رجب خليفة



THE WEEKLY HOMEWORK FOR THE THIRD AND FOURTH WEEK

PREP 2

SECOND LESSON

Weekly homework

What is meant by?

1. The polar compound
2. Basic oxides
3. Chemical activity chain

Correct the underline words:

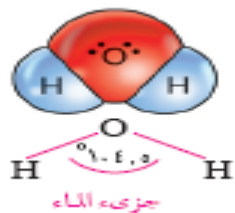
- 1- Atomic volume decreases as the atomic number increases in the same group.
- 2- An element with a valency equal 3 lies in the second period, its atomic number is 15.
- 3- Mg chemically reacts with HCl and CO₂ gas evolves.
- 4- Metal oxides turn red litmus paper into red.
- 5- Carbon dioxide is soluble in water forming sulpheric acid
- 6- Both of K and Na keep under water surface

What happens when?

- 1- Dropping a piece of Potassium in water
- 2- Putting a magnesium strip in a tube of dilute HCl acid (write the chemical equation)
- 3- Putting magnesium oxide powder in water then add the resulted to red litmus paper solution (write the chemical equation)
- 4- The atomic number increase in the same period related to metal character.

How could you differentiate between ..?

- 1- Carbon and Magnesium: By using HCl acid
- 2- Bromine and Iodine: according to physical state and chemical activity
- 3- Potassium and Rubidium: according to the density in water



Explain by the chemical equations for the reaction of

1. Carbon with Oxygen
2. Sodium with water
3. Chlorine gas with potassium bromide
4. Potassium with Bromine

Complete the following :

- 1- The period starts with the elements ofgroup and it comes after the elements of group
- 2- The atomic diameter is measured by
- 3- Silicon and Germanium are considered
- 4- Some metals react with diluted acids resulting acid salt and Gas evolves while it reacts with Oxygen forming oxides
- 5- are elements have both metals and nonmetal properties and it is difficult to determine their electronic structure
- 6- The atomic volume as the atomic number in from left to right and the atomic volume increases in from up to down
- 7- Halogens molecules are atom while the inert gases molecules areatom
- 8- + \rightarrow 2 MgO
- 9- + \rightarrow CO₂

Arrange the following :

- 1- Sodium – Zinc – Calcium – Copper
(according to the chemical activity grade)

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- 2- C₆ – O₈ – N₇ – S₁₆
(Ascending according to the atomic volume)

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