



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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WEEK

(3)



الصف الثالث الإعدادي
weekly Performances

الفصل
الدراسي الثاني

لجنة الأعداد والمراجعة
خبراء مكتب تنمية مادة العلوم

إشراف علمي
مستشار العلوم
د / عزيزة رجب خليفة

Chemical reactions

Oxidation and reduction reactions

Question one

Write the scientific term:

- 1- A chemical process in which an atom of an element gains one electrons or more.
- 2- A substance that loses one or more electrons during a chemical reaction
- 3-The substance that take oxygen or gives hydrogen during the chemical reaction.

Question two:

Complete the following:-

- 1-The process in which an atom of an element loses one or more electrons is known as process.
- 2-The substance that give oxygen or takes hydrogen is called
- 3-In oxidation and reduction reactions, metals act as Agents and non-metals act as agents

Question three:

Give reasons for:-

- 1- Although the absence of oxygen in the reaction between sodium and chlorine it considered as an oxidation reaction.
- 2- The reaction between aluminum and hydrochloric acid is faster than the reaction between zinc and hydrochloric acid
- 3- metals are considered as reducing agent and non-metals are considered as oxidizing agent.

Question four:

Answer the following questions:

a- Write the chemical equation of the passage of hydrogen gas over hot copper oxide. **then answer the following:**

- 1- is oxidized and becomes
- 2- reduces and becomes agent.

b- Compare: the process of oxidation and reduction according to the chemical concept.

c- Compare the oxidizing agent and the reducing agent according to the electronic concept.



الإدارة المركزية لتطوير المناهج
إدارة تنمية مادة العلوم
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