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حل أسئلة الوزارة الأسبوع الثاني

موقع المناهج ← المناهج المصرية ← الصف الثاني الإعدادي ← كيمياء ← الفصل الثاني ← حلول ← الملف

تاريخ إضافة الملف على موقع المناهج: 2025-02-21 23:20:58

ملفات اكتب للمعلم اكتب للطالب | اختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل
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المزيد من مادة
كيمياء:

التواصل الاجتماعي بحسب الصف الثاني الإعدادي



صفحة المناهج
المصرية على
فيسبوك

المزيد من الملفات بحسب الصف الثاني الإعدادي والمادة كيمياء في الفصل الثاني

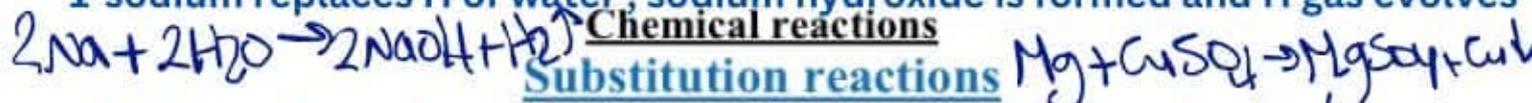
حل أسئلة الوزارة الأسبوع الثاني

1

حل أسئلة الوزارة الاسبوع الأول

2

1-sodium replaces H of water, sodium hydroxide is formed and H gas evolves



2-Magnesium replaces Cu and forms magnesium sulphate and red Cu ppt

Question one

Write the scientific term:

3-formation of sodium chloride & water & carbon dioxide gas evolves (double sub.)

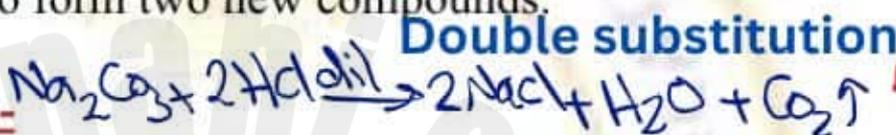
1- Arranging the metallic elements in descending order according to their chemical activity. **Chemical activity series**

2- A chemical reaction in which one element is replaced by another element that is less chemically active. **Simple substitution**

3- A chemical reaction in which a double exchange occurs between two parts of two compounds to form two new compounds.

Question two:

Complete the following:-



1-The reaction of an acid and alkali to form salt and water is known as **Neutralization** the reaction

2- Some metals react with water and produce metal and **Hydrogen** gas is evolved.

3-Potassium reacts with diluted hydrochloric acid to form **Potassium chloride** and **Hydrogen** gas is evolved.

4-In the chemical activity series, the metals are arranged in **Descending** Order according to their **Chemical activity**

5- The reaction of zinc with hydrochloric acid is considered a reaction, while the reaction of sodium carbonate with the same acid is a **Simple substitution**

Double substitution reaction

6- When magnesium replaces copper in its salt solutions, a **Red** color precipitation is formed.

Question three:

What happens in the following cases, writing the reaction equation if possible

- 1- Put a piece of sodium in the water .
- 2- Place a piece of magnesium in a copper sulphate solution .
- 3- Add sodium carbonate to dilute hydrochloric acid .
- 4- Adding hydrochloric acid to copper . **No reaction occurs**
- 5- Adding an acid to an alkali . **Forms salt and water (neutralization)**
- 6- Substituting the hydrogen of an acid with a metal

forming salt and hydrogen gas evolves



Lesson one

Substitution reaction

Question one

Complete the following:

Descending

- 1- In the series of chemical activity, the metals are arranged in the order according to **Chemical activity**
- 2- Some metals react with water and produce , metal..... and gas is evolved .
Hydroxide Hydrogen
- 3-**Cu**..... is an element that does not replace the hydrogen of the acid.
- 4- The reaction of acids with alkalis is a type of the reaction

Double substitution

Question two:

Put (✓) or (X) :

- 1- Hydrochloric acid reacts with sodium carbonate and the gas released turbid the clear lime water (✓)
- 2- When hydrochloric acid is added to copper, no reaction occurs (✓)
- 3- Copper replaces magnesium in its salt solutions (X)

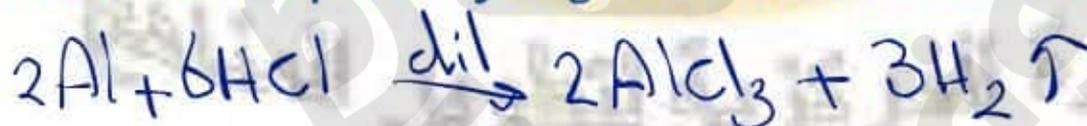
Question three:

Give reasons for the following by writing the symbolic equation

- 1- Gold does not react with acids
- 2- Bubbles rise when aluminum is added to hydrochloric acid, which burns with a pop sound.
- 3- Do not store silver nitrate in aluminum containers

1- Bec gold is less active than Hydrogen according to chemical activity series

2- Bec aluminium replaces hydrogen of acid which burns with pop sound



3- bec aluminium is more active than silver so it may replace it



Substitution reactions

Question one:Choose the correct answer

1) Active metals replace the hydrogen of water, producing

..... and hydrogen gas evolved.

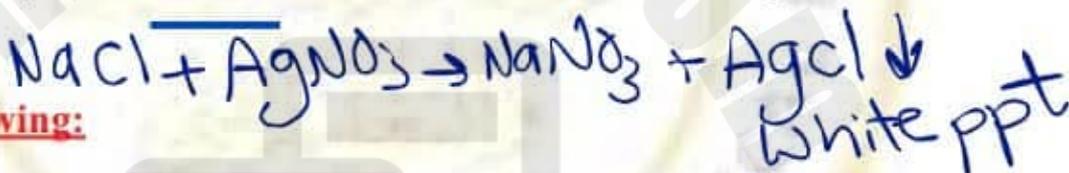
(metal hydroxide - metal oxide - metal carbonate - metal sulphate)

2) When copper are added to dilute hydrochloric acid,.....

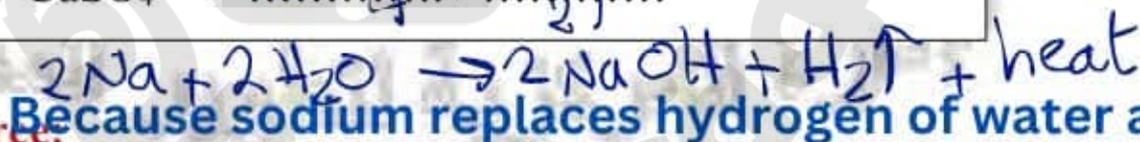
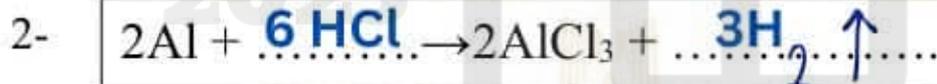
(Copper hydroxide is formed - copper carbonate is formed - copper chloride is formed - no reaction occurs)

3) When a sodium chloride solution reacts with a silver nitrate solution, a precipitate of silver chloride is formed.

(red - white - reddish-brown - blue)

Question two:-Complete the following:

1-When an acid reacts with an alkali, it produces Salt and Water

Question three:Give reasons for:

hydrogen gas burns with pop sound

1- Do not extinguish sodium fires with water $\text{Mg} + \text{CuSO}_4 \rightarrow \text{MgSO}_4 + \text{Cu}$

2- Magnesium can replace copper in its salts solutions, but the opposite does not happen Bec Mg is more active than cu in C.A.S

3- Effervescence occurs when sodium carbonate is added to dilute HCl bec carbon dioxide gas evolves

