



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

(2)



الصف الثالث الإعدادي
Class performance

الفصل
الدراسي الثاني

لجنة الأعداد والمراجعة
خبراء مكتب تنمية مادة العلوم

إشراف علمي
مستشار العلوم
د / عزيزة رجب خليفة

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 and

2- $2Al + \dots \rightarrow 2AlCl_3 + \dots$

3- $Mg + CuSO_4 \rightarrow \dots + \dots$

Question three:

Give reasons for:

- 1- Do not extinguish sodium fires with water
- 2- Magnesium can replace copper in its salts solutions, but the opposite does not happen
- 3- Effervescence occurs when sodium carbonate is added to dilute HCl