



برعاية معالي وزير التربية والتعليم

السيد الأستاذ / محمد عبد اللطيف

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

د/ أكرم حسن

WEEK

(2)



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
Substitution reactions

Question one

Write the scientific term:

- 1- Arranging the metallic elements in descending order according to their chemical activity.
- 2- A chemical reaction in which one element is replaced by another element that is less chemically active.
- 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 asthe reaction
- 2- Some metals react with water and produce metal and gas is evolved.
- 3-Potassium reacts with diluted hydrochloric acid to form and gas is evolved.
- 4-In the chemical activity series, the metals are arranged in Order according to their
- 5- The reaction of zinc with hydrochloric acid is considered a reaction, while the reaction of sodium carbonate with the same acid is a reaction
- 6- When magnesium replaces copper in its salt solutions, a 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 .
- 5- Adding an acid to an alkali .
- 6- Substituting the hydrogen of an acid with a metal