



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

(5)



الصف الثالث الإعدادي
Class performance

الفصل
الدراسي الثاني

لجنة الأعداد والمراجعة
خبراء مكتب تنمية مادة العلوم

اشراف علمي
مستشار العلوم
د / عزيزة رجب خليفة

Lesson Two: Speed of the Chemical Reaction**Part Two****Question 1:****Choose the correct answer:**

1-Increasing the concentration of the reactants during a chemical reaction makes the number of collisions between molecules

A- Decreases by a quarter

B- Increases

C- Is not affected

D- Decreases by half

2-The substance that decrease the reaction rate and does not change is called.....

A- Oxidizer

B- Reductant

C- Positive catalyst

D- Negative catalyst

3- All of the following are from the properties of the catalyst except.... ..

A- Its mass decreases

B- It binds to the reactants during the reaction and then separates from them.

C-It changes the reaction rate.

D- It does not undergo a chemical change.

4-The rate of decomposition of hydrogen peroxide increases by the addition of.....

A- Manganese oxide

B- A piece of potato

C- Manganese dioxide

D- B, C together.

Question 2:**Complete the following with suitable words:-**

1- By increasing the concentration of the reactants the speed of the chemical reaction.....

2 -The rate of hydrogen peroxide decomposition can be increased by adding or by adding a piece of.....

3 -Catalytic agents such as or Iridium or are used in the catalytic converter and they work on

Question 3:

Mention the use or importance of each of the following:

- 1 -Manganese dioxide
- 2 -Enzymes
- 3 -Ceramic cells in the catalytic converter

Question 4:

What are the factors affecting the rate of a chemical reaction?

