



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

(4)



الصف الثالث الإعدادي
Class performance

الفصل
الدراسي الثاني

لجنة الأعداد والمراجعة
خبراء مكتب تنمية مادة العلوم

إشراف علمي
مستشار العلوم
د / عزيزة رجب خليفة

Lesson two: speed of chemical reaction**Question one:****Choose the correct answer**

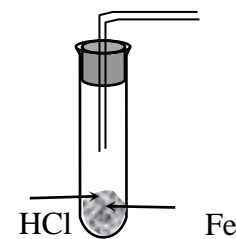
- 1- The reaction of fireworks is one of the reactions
- a- Very fast b - Relatively fast c - Relatively slow d - Very slow
- 2-The chemical formula of nitrogen pentoxide gas
- a- N_2O_2 b- N_2O_5 c- N_2O_4 d- N_5O_2
- 3-The unit of measurement for the concentration of reactants or substances resulting from a chemical reaction
- a - mol/s b - mol x liters c- mol / liter d - liters / mol

Question Two:**Complete the following sentences with appropriate words:**

- 1- The change in the concentration of reactants and products per unit time is called
- 2- The speed of a chemical reaction is measured practically by the rate of appearance of one or the disappearance of one of
- 3- The reaction of sodium chloride powder is from the reaction of a cube of sodium chloride which has the same mass.

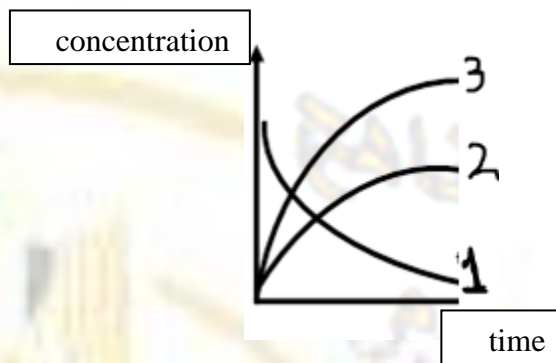
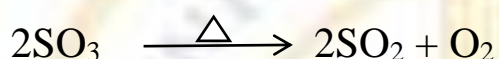
Question three**In the opposite reaction:**

- 1-What happens when a piece of iron is replaced with iron filings has the same mass?
- 2- The factor affecting the speed of the chemical reaction when using Iron filings instead of a piece of iron is
- 3-Illustrate the reaction with a balanced chemical equation?



Question Four:

The opposite figure shows the decomposition of sulfur trioxide
To sulfur dioxide and oxygen according to the following equation:



- 1 - After the reaction ends, the SO_3 concentration is%
- 2 - State what each graphic line represents of the elements and compounds in the previous equation?

The graph line (1) represents

The graph line (2) represents

The graph line (3) represents