



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

(4)



الصف الثالث الإعدادي

Home work

الفصل
الدراسي الثاني

لجنة الأعداد والمراجعة
خبراء مكتب تنمية مادة العلوم

إشراف علمي
مستشار العلوم
د / عزيزة رجب خليفة

Lesson Two:**Speed of Chemical Reactions****Question One: Choose the correct answer**

1- The reaction of oil with caustic soda is one of the reactions.

- a- Fast b- Relatively slow c- Very slow d- Very very slow

2- At the beginning of the chemical reaction, the concentration of the reactants

is

- a- 100% b- Zero c- 50% d- 25%

3- The time required to complete the reactions of ionic compounds

the time required to complete the reactions of covalent compounds under the same reaction conditions.

- a- Greater than b- Less than c- Equal to d- There is no correct answer

Question two:**Complete the following sentences with suitable words:**

1- During a chemical reaction, the concentration of decreases while the concentration of increases with time.

2- $2\text{N}_2\text{O}_5 \longrightarrow \dots\dots\dots + \text{O}_2$

2- The factors affecting the rate of a chemical reaction are,, and

3- Ionic compounds exist in their solutions in the form of while covalent compounds exist in their solutions in the form of

Question three: -**Give reasons for the following: -**

- 1- Chemical reactions between ionic compounds are faster than between covalent compounds .
- 2- The reaction rate of HCl with iron filings is faster than its reaction with pieces of iron
- 3- The reaction of sodium chloride with hydrochloric acid is considered a fast reaction

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