



# 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

اداءات وتقييمات

الصف الثالث الإعدادي

لجنة الأعداد والمراجعة

خبراء مكتب تنمية مادة العلوم

أشرف علمي

مستشار العلوم

د/ عزيزه رجب خليفه



## Classroom performance

Lesson 1: Chemical reaction , Thermal Decomposition Reactions

### Question 1: Write the Scientific Term:

- 1) The breaking bonds between the molecules of the reactants and forming new bonds between the molecules of the molecules resulting from the reaction.
- 2) Chemical reactions in which the thermal compound decomposes into its primary elements or simple compound.
- 3) A safety means is found in modern cars and has a form of an inflatable bag.

### Question 2: Choose the correct answer:

- 1) When heating copper hydroxide, we get .....  
(copper carbonate and water vapor - copper oxide and water vapor - copper and hydrogen - copper oxide and hydrogen)
- 2) Some metal nitrates decompose with heat into .....  
(metal nitrite and oxygen - metal nitrate and oxygen - nitric oxide and hydrogen - metal nitrate)
- 3) When heating red mercury oxide, it decomposes into .....  
(oxygen - mercury - oxygen and mercury - there is no correct answer)
- 4) Almost metal carbonates decomposed by heating into metals and .....  
(O<sub>2</sub> - NO<sub>2</sub> - CO<sub>2</sub> - SO<sub>3</sub>)

Question 3: What is the importance of the chemical reactions?

Question 4: What are the types of chemical reactions?

Question 5: according to your study

Mention the names of the chemical compounds that give oxygen gas when thermally decomposed.