

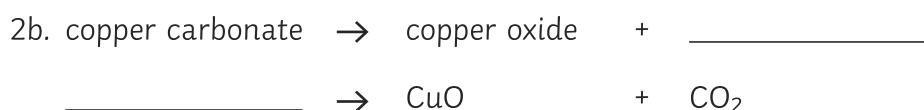
Name:	Class:	Date given:
		Date due in:

# Chemical Reactions

1. Tick the correct statement below. [1]

- In a chemical reaction...
- atoms and mass are lost.
- atoms and mass are gained.
- atoms are rearranged and mass is conserved.

Complete the equations below. [4]



3a. Circle the type of reaction that is shown in question 2a. [1]

oxidation	combustion	thermal decomposition
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3b. Circle the type of reaction that is shown in question 2b. [1]

oxidation	combustion	thermal decomposition
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4. Match the sentences by writing the correct letter for the end part of each statement next to the corresponding beginning part. [3]

- a. An exothermic reaction happens when... \_\_\_\_\_
- b. An endothermic reaction happens when... \_\_\_\_\_
- c. A catalyst is a substance... \_\_\_\_\_

- x. ...energy is transferred from the surroundings.
- y. ...that speeds up a reaction.
- z. ...energy is transferred to the surroundings.

**Learning Outcomes** (tick if achieved)

Q1	I know what a chemical reaction is	
Q2	I can recall common chemical formula and balance equations	
Q3	I can recognise different types of chemical reactions	
Q4	I can describe different types of reactions / a catalyst	

# Chemical Reactions Answers

1. Tick the correct statement below. [1]

In a chemical reaction...

- atoms and mass are lost.  
 atoms and mass are gained.  
 atoms are rearranged and mass is conserved.

Complete the equations below. [4]

2a. iron + oxygen → iron oxide



2b. copper carbonate → copper oxide + carbon dioxide



3a. Circle the type of reaction that is shown in question 2a. [1]

oxidation

combustion

thermal decomposition

3b. Circle the type of reaction that is shown in question 2b. [1]

oxidation

combustion

thermal decomposition

4. Match the sentences by writing the correct letter for the end part of each statement next to the corresponding beginning part. [3]

a. An exothermic reaction happens when... **z**

b. An endothermic reaction happens when... **x**

c. A catalyst is a substance... **y**

x. ...energy is transferred from the surroundings.

y. ...that speeds up a reaction.

z. ...energy is transferred to the surroundings.