NOVA SCOTIA SCIENCE 10 · UNIT B

Chemical Reactions — Practice Test

Nova Scotia Science 10 • 10 questions

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1 **The term for a number in front of a formula showing how many units react is**

- A Corrosion
- B A coefficient
- C A product
- D A synthesis reaction

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2 **A coefficient means**

A the slow chemical breakdown of a metal such as rusting iron

B a new substance formed in a chemical reaction

C a number in front of a formula showing how many units react

D a reaction where two substances join to make one product

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3 **The term for a process where a substance loses electrons or gains oxygen is**

A A reactant

B Conservation of mass

C A decomposition reaction

D Oxidation

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4 **Oxidation means**

A a process where a substance loses electrons or gains oxygen

B a starting substance in a chemical reaction

C the rule that mass is not created or lost in a reaction

D a reaction where one substance breaks into simpler substances

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5 **The term for the slow chemical breakdown of a metal such as rusting iron is**

A A product

B Corrosion

C A synthesis reaction

D A combustion reaction

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6 **Corrosion means**

A a new substance formed in a chemical reaction

B a reaction where two substances join to make one product

C the slow chemical breakdown of a metal such as rusting iron

D a reaction where a substance burns in oxygen

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7 **The molar mass of water H 2 O in grams per mole using H = 1 and O = 16 is**

ANSWER _____

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8 **The molar mass of carbon dioxide C O 2 in grams per mole using C = 12 and O = 16 is**

ANSWER _____

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9 **The molar mass of sodium chloride N a C l in grams per mole using N a = 23 and C l = 35.5 is**

ANSWER _____

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10 **The molar mass of oxygen gas O 2 in grams per mole using O = 16 is**

ANSWER _____

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ANSWER KEY

1.	B	**5.**	B	**9.**	58.5
2.	C	**6.**	C	**10.**	32
3.	D	**7.**	18		
4.	A	**8.**	44		

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