NOVA SCOTIA ADVANCED CHEMISTRY 12 · UNIT D · 10 QUESTIONS

Electrochemical Changes — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1

1.5 moles of electrons deposit silver, molar mass 108 grams per mole, from silver ions needing 1 electron each. The mass deposited, in grams, is



ANSWER

Understand It with Pulse

Flag a mistake

2

3 moles of electrons flow in 19300 seconds. Using 96500 coulombs per mole, the current, in amperes, is

ANSWER

Understand It with Pulse | Flag a mistake

3

2 moles of electrons flow in 9650 seconds. Using 96500 coulombs per mole, the current, in amperes, is

ANSWER

Understand It with Pulse | Flag a mistake

4 **64 grams of copper, molar mass 64 grams per mole, are deposited from copper ions needing 2 electrons each at a current of 5 amperes. Using 96500 coulombs per mole, the time, in seconds, is**



ANSWER

Understand It with Pulse | Flag a mistake

5 **192 grams of copper, molar mass 64 grams per mole, are deposited from copper ions needing 2 electrons each at a current of 10 amperes. Using 96500 coulombs per mole, the time, in seconds, is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **5 amperes flow for 19300 seconds depositing zinc, molar mass 65 grams per mole, from ions needing 2 electrons each. Using 96500 coulombs per mole, the mass deposited, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **20 amperes flow for 19300 seconds depositing zinc, molar mass 65 grams per mole, from ions needing 2 electrons each. Using 96500 coulombs per mole, the mass deposited, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Overpotential means extra voltage is needed beyond the**

A theoretical cell potential

B battery rating

C wire resistance

D solution pH

Understand It with Pulse | Flag a mistake

9 **Electrolysis of concentrated sodium chloride solution produces chlorine at the**

A cathode

B anode

C salt bridge

D voltmeter

Understand It with Pulse | Flag a mistake

10 **The mass deposited in electrolysis is proportional to the**

A voltage only

B temperature

C charge passed

D electrode size only

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 162
2. 15
3. 20
4. 38600
5. 57900
6. 32.5
7. 130
8. A
9. B
10. C

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