NOVA SCOTIA CHEMISTRY 12 · UNIT D

Electrochemical Changes — Practice Test

Nova Scotia Chemistry 12 • 10 questions

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 **A current supplies 2 moles of electrons to a solution containing metal ions that each need 1 electrons to deposit. The moles of metal deposited are**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A charge of 900 coulombs flows in 300 seconds. The current, in amperes, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A charge of 120 coulombs flows in 40 seconds. The current, in amperes, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A charge of 96500 coulombs flows at a current of 10 amperes. The time, in seconds, is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A charge of 289500 coulombs flows at a current of 10 amperes. The time, in seconds, is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **A current of 10 amperes flows for 28950 seconds. Using 96500 coulombs per mole of electrons, the moles of electrons are**

ANSWER

Understand It with Pulse | Flag a mistake

7 **A current of 5 amperes flows for 96500 seconds. Using 96500 coulombs per mole of electrons, the moles of electrons are**

ANSWER

Understand It with Pulse | Flag a mistake

8 **A stronger oxidising agent has a more**

A positive reduction potential

B negative reduction potential

C neutral potential

D variable potential

Understand It with Pulse | Flag a mistake

9 **In a zinc copper cell electrons flow from**

A copper to zinc

B zinc to copper

C the salt bridge to zinc

D the voltmeter to copper

Understand It with Pulse | Flag a mistake

10 **The cell potential is calculated as cathode potential minus**

A salt bridge potential

B electron potential

C anode potential

D solution potential

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	2	**5.**	28950	**9.**	B
2.	3	**6.**	3	**10.**	C
3.	3	**7.**	5		
4.	9650	**8.**	A		

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