NEWFOUNDLAND AND LABRADOR CHEMISTRY 3202 · UNIT D

Electrochemistry — Practice Test

Newfoundland and Labrador Chemistry 3202 • 25 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 of 2 amperes flows for 500 seconds. The charge in coulombs is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **An oxidation number changes from 0 to plus 2. The number of electrons lost is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Cathode potential is 0.34 volts and anode potential is -0.76 volts. The cell potential in volts is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A cell potential is 1.10 volts and 2 cells are connected in series. The total potential in volts is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A cell potential is 1.50 volts and 3 cells are in series. The total potential in volts is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A half reaction shows either oxidation or reduction with electrons written as a**

A catalyst only

B salt only

C gas only

D reactant or product

Understand It with Pulse | Flag a mistake

7 **A metal gains 2 electrons per atom and 5 atoms react. The total electrons gained is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A metal loses 4 electrons per atom and 3 atoms react. The total electrons lost is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A positive standard cell potential indicates a cell reaction that is**

A nonspontaneous

B at equilibrium only

C endothermic only

D spontaneous

Understand It with Pulse | Flag a mistake

10 **A rechargeable battery can be recharged because its cell reaction is**



A irreversible

B reversible

C neutral

D catalytic

Understand It with Pulse | Flag a mistake

11 **A stronger oxidizing agent is more likely to**

A lose electrons

B gain electrons

C form a metal

D release heat only

Understand It with Pulse | Flag a mistake

12 **A stronger reducing agent is more likely to**

A lose electrons

B gain electrons

C form a salt

D release gas

Understand It with Pulse | Flag a mistake

13 **An oxidation number changes from plus 3 to plus 1. The number of electrons gained is**

ANSWER

Understand It with Pulse | Flag a mistake

14 **Cathode potential is 0.80 volts and anode potential is 0.20 volts. The cell potential in volts is**

ANSWER

Understand It with Pulse | Flag a mistake

15 **Corrosion of iron is an electrochemical process in which iron is**



A oxidized

B reduced

C neutralized

D precipitated

Understand It with Pulse | Flag a mistake

16 **Electrolysis of molten sodium chloride produces sodium metal and**

A chlorine gas

B oxygen gas

C hydrogen gas

D water

Understand It with Pulse | Flag a mistake

17 **Electrons in the external circuit of a galvanic cell flow from the anode to the**

A salt bridge

B cathode

C solution

D voltmeter only

Understand It with Pulse | Flag a mistake

18 **Electroplating uses an electrolytic cell to coat an object with a thin layer of**

A plastic

B salt

C gas

D metal

Understand It with Pulse | Flag a mistake

19 **Galvanizing protects iron by coating it with**



A copper

B lead

C tin only

D zinc

Understand It with Pulse | Flag a mistake

20 **In a dry cell, the electrolyte is a**

- A liquid only
- B gas only
- C paste
- D solid metal only

Understand It with Pulse | Flag a mistake

21 **In a galvanic cell, oxidation occurs at the**

- A cathode
- B salt bridge
- C anode
- D voltmeter

Understand It with Pulse | Flag a mistake

22 **A current of 3 amperes flows for 200 seconds. The charge in coulombs is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **An oxidation number changes from 0 to plus 3. The number of electrons lost is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **Cathode potential is 0.25 volts and anode potential is -0.44 volts. The cell potential in volts is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A current of 5 amperes flows for 120 seconds. The charge in coulombs is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	1000	**10.**	B	**19.**	D
2.	2	**11.**	B	**20.**	C
3.	1.1	**12.**	A	**21.**	C
4.	2.2	**13.**	2	**22.**	600
5.	4.5	**14.**	0.6000000000000001	**23.**	3
6.	D	**15.**	A	**24.**	0.69
7.	10	**16.**	A	**25.**	600
8.	12	**17.**	B		
9.	D	**18.**	D		

© 2026 Brett Robbins. All Rights Reserved.