

## 21

## ELECTROCHEMISTRY

## Study Guide

## A. Matching

Match each term in Column B to the correct description in Column A.

## Column A

## Column B

- H  
D  
G  
P
1. a conductor in a circuit that carries electrons to or from a substance other than a metal
  2. one part of a voltaic cell, in which either oxidation or reduction occurs
  3. a voltaic cell in which the electrolyte is a paste
  4. the electrode at which reduction occurs
  5. a voltaic cell in which a fuel undergoes oxidation and from which electrical energy is obtained continuously
  6. an electrochemical cell that is used to convert chemical energy into electrical energy
  7. a tube containing a conducting solution
  8. a group of cells that are connected together
  9. the process in which electrical energy is used to bring about a chemical change
  10. the electrode at which oxidation occurs

1. anode
1. electrode
1. cathode
1. dry cell
1. battery
1. electrolysis
1. voltaic cell
1. half-cell
1. salt bridge
1. fuel cell

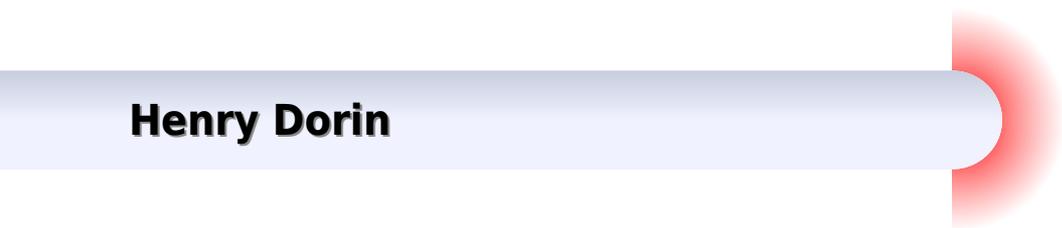
## B. Multiple Choice

Choose the best answer and write its letter on the line.

- D
11. In the electrolysis of brine, the substance produced at the cathode is
    - a. chlorine
    - b. oxygen
    - c. sodium
    - d. hydrogen
  12. Which of the following describes a dry cell?
    - a. It can be recharged many times.
    - b. The graphite rod does not undergo reduction, even though it is the cathode.
    - c. It contains concentrated sulfuric acid.
    - d. all of the above

# Matter And Change Electrochemistry Study Guide Answer

**Henry Dorin**



## **Matter And Change Electrochemistry Study Guide Answer:**

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  - Chapter 5: Conclusion
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