

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# The Principles of a Battery Puzzle

G F R A D E R C T C G Q A U P Q C T S F V D I P  
R Q V A H F N O I T A U Q E T S N R E N I G Y G  
E D H Q V E D O N A J U A M C R R S D F I W U X  
J I L V V D T V A A U Z U A P F M G N N A H Q L  
K Z Y F Z R F R E E E N E R G Y T J Y I L A F Z  
T G G W R U K L O L S O F B T X K P N B A U U C  
E L A I T N E T O P L L E C D R A D N A T S X I  
T K A C G N U Z X S Z N U M Q R I F C F G X I P  
Z A K Y T A A G P T U N J H E D O H T A C P Q S  
B A S H Z M N T N I Z S F F D L R J E C S K C W  
B A D H D P O D X P T D R C R G R U E R A U P A  
Z V K T E E I E L P C M O G U B C P I Z Y L L B  
V W R P C R T E O Z V T L O V J L V G N X V A A  
M H X G E E C Y G I V E L V F G N M T K X M D E  
R U R I G V U O C S Y C N L M Y R G P U F J W A  
Y M C V D K D L K L X L Y D D B W T A G V K L T  
R C D J I J E T V O O J L Q K I V P O Z N A S C  
T I T X R Y R V D E W S Q P R G X K X V F A T X  
X L V M B H X I W G Z K R K X T X X Z K E U S Q  
B U F I T V P B Y L H S Y M E F F L P J B O F N  
B Y S M L U F E H Z U O X I D A T I O N C I R B  
D O Z R A Y I G F J B H Y B E S F X M P T O K J  
A E L W S B B N S G A I A L Y B Z P U I G B S D  
E W Y U T K P O B N K S V V J J L Y R M Z M N U

STANDARD CELL POTENTIAL

NERNST EQUATION

FREE ENERGY

SALT BRIDGE

OXIDATION

REDUCTION

CATHODE

AMPERE

ANODE

Volt