

# 6.3 COMPOUNDS

CHEMICALLY

TWO

ELEMENTS

1. A compound consists of \_\_\_\_\_ or more \_\_\_\_\_ that are mixed

\_\_\_\_\_.

2. Combination METAL and NON METAL elements

METAL	+	NON METAL	→	COMPOUND
COPPER	+	OXYGEN	→	
IRON	+		→	IRON OXIDE
	+	WATER	→	SODIUM HYDROXIDE + HYDROGEN GAS
IRON	+		→	IRON SULPHIDE
	+		→	ZINC OXIDE
POTASIUM	+		→	POTASIUM HYDROXIDE + HYDROGEN GAS
ALUMINIUM	+		→	ALUMINIUM OXIDE

OXYGEN

ZINC

WATER

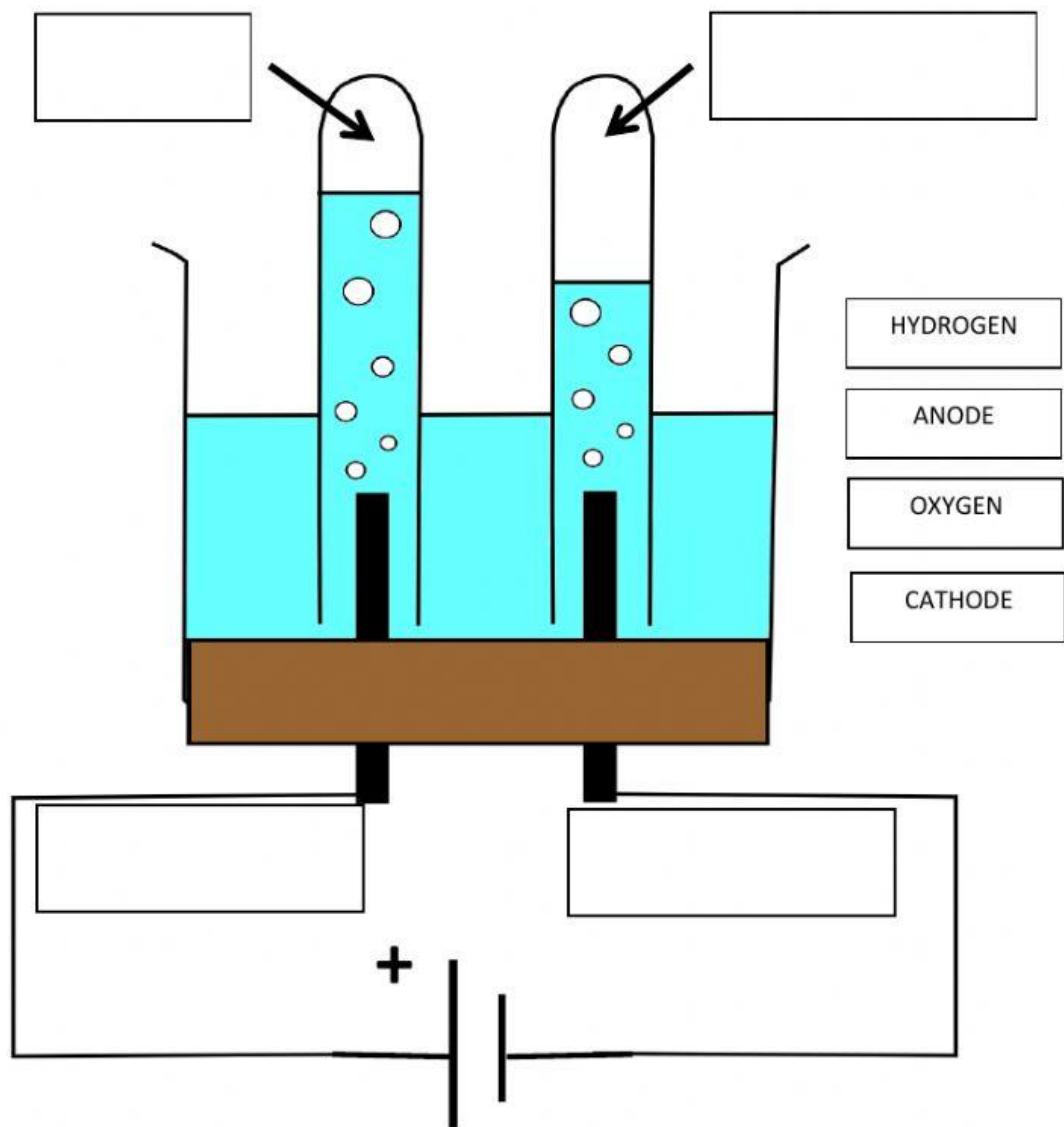
OXYGEN

SULPHUR

SODIUM

OXYGEN

COPPER OXIDE



SIMILARITIES	
PHYSICAL CHANGE	CHEMICAL CHANGE
DIFFERENCES	
PHYSICAL CHANGE	CHEMICAL CHANGE

FORMS NEW SUBSTANCES

NEEDS ENERGY

OCCURS TO MATTER

DOES NOT FORM NEW SUBSTANCES

NEEDS MORE ENERGY

THE PROPERTIES OF THE SUBSTANCES  
REMAIN NOT THE SAME

NEEDS LESS ENERGY

THE CHEMICAL COMPOSITION OF THE  
SUBSTANCES REMAIN THE SAME

THE PROPERTIES OF THE  
SUBSTANCES REMAIN THE SAME

THE SUBSTANCES AND PRODUCTS HAVE  
DIFFERENT CHEMICAL COMPOSITION