

WRITING FORMULAS (CRISS-CROSS METHOD)

Name _____

Write the formulas of the compounds produced from the listed ions.

	Cl^-	CO_3^{-2}	OH^-	SO_4^{-2}	PO_4^{-3}	NO_3^-
Na^+						
NH_4^+						
K^+						
Ca^{+2}						
Mg^{+2}						
Zn^{+2}						
Fe^{+3}						
Al^{+3}						
Co^{+3}						
Fe^{+2}						
H^+						

Review

Worksheet 20.1

Part A Review

- Describe three types of evidence for chemical reactions.

- What happens to chemical bonds between atoms or ions during a chemical reaction?

- What is the difference between endothermic reactions and exothermic reactions?

- Compare the substances before and after a chemical reaction. How do the properties of the substances compare?

Part B Skills Development

Classify

Decide which of the following interactions is a chemical reaction. Then classify each chemical reaction as either endothermic or exothermic. Complete the table by placing a check mark in the correct column(s).

Event	Chemical Reaction		Type of Reaction	
	Yes	No	Endothermic	Exothermic
Boiling an egg				
Mixing oil and vinegar to make salad dressing				
Peeling an orange				
Striking a match				
Taking a photograph				
An interaction that releases energy				