Name	Data	Class	
	Date		

## CHAPTER 8 REVIEW

## Chemical Equations and Reactions

## SECTION 8-1

**SHORT ANSWER** Answer the following questions in the space provided.

	l on the left with its appropriate description on the right.
Δ	(a) A precipitate forms.
↓	(b) A gas forms.
↑	(c) A reversible reaction occurs.
(l)	(d) Heat is applied to the reactants.
(aq)	(e) A chemical is dissolved in water.
——	(f) A chemical is in the liquid state.
Finish balancin	the following equation:
3Fe <sub>3</sub> O <sub>4</sub> +	$Al \rightarrow Al_2O_3 + Fe$
In each of the f	owing formulas with coefficients, write the total number of atoms present.
	<b>a.</b> 4SO <sub>2</sub>
	<b>b.</b> 8O <sub>2</sub>
	<b>c.</b> 3Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>
	<b>d.</b> $6 \times 10^{23}  \text{HNO}_3$
	wing word equation into a balanced chemical equation: $+$ copper(II) fluoride $ o$ aluminum fluoride $+$ copper metal
concentration to	ne salinity of a water supply is to add a few drops of silver nitrate of known he water. As the solutions of sodium chloride and silver nitrate mix, a precipitate forms, leaving sodium nitrate in solution. Translate these sentences into a l equation.