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Most chemical reactions can be classified into one or more of five basic types.

The general forms of these five kinds of reactions are

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summarized in Table 3.2.1,  
along with examples of each.  
Table 4.7.1: Basic Types of  
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Answer Because a precipitate  
formed with  $\text{Na}_2\text{SO}_4$ , the  
possible cations are  $\text{Ba}^{2+}$ ,  
 $\text{Pb}^{2+}$ ,  $\text{Hg}_2^{2+}$ , and  $\text{Ca}^{2+}$  (from

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(the solubility rules).

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Stoichiometry. Water is the  
dissolving medium of the  
common solvent Some  
properties ; Water is bent  
or v-shaped ; The OH bonds  
are covalent ; Water is a

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polar molecule ; Hydration  
occurs when salts dissolve  
in water ; 2

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Answer Type Questions.

Question 1. What are the types of chemical reactions?

Explain the four types of chemical reactions with example. Answer: The different types of chemical reaction are: Combination

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reaction; Decomposition  
reaction; Displacement  
reaction; Neutralisation  
reaction; Double  
displacement reaction

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•••  
Different Types of Chemical  
Reactions. The 5 primary  
types of chemical reactions  
are: Combination reaction;  
Decomposition reaction;  
Displacement reaction;  
Double Displacement

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Reactions; Precipitation

Reaction; 1. Combination

Reaction. A reaction in

which two or more reactants

combine to form a single

product is known as a

combination reaction.

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13. a. Polarity is a term applied to covalent compounds. Polar covalent compounds have an unequal sharing of electrons in bonds that results in unequal charge distribution in the.

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## **CHAPTER 4 TYPES OF CHEMICAL REACTIONS AND SOLUTION ...**

Answer to Problem 4.1EP.

Ionic bond and covalent bonds are two general types of chemical bonds. An ionic bond is a chemical bond

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formed through the transfer of one or more electrons from one atom or group of atoms to another atom or group of atoms. Covalent bond is a chemical bond formed through the sharing of one or more pairs of

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electrons between two atoms.

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**Contrast the two general  
types of chemical bonds in  
terms ...**

Anthony Galgano 9/29/17 D/E

Period Chapter 4 Outline

Types of Chemical Reactions

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4.1 Water, the Common

Solvent 1. Solutions in

which water is the

dissolving medium, or

solvent are aqueous

solutions 2. The O-H bonds

in the water molecules are

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covalent bonds formed by  
electron sharing between the  
oxygen and hydrogen atoms 3.  
Partial charges a.

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