

Name: () Class: Date:

LIVE Assignment 2: COVALENT VS IONIC COMPOUNDS

1. compounds are substances with 2 or more non-metallic elements chemically combined together.
2. compounds are substances with metallic and non-metallic element(s) chemically combined together except for ammonium compounds.
3. Fill in the blanks below.

Name of compound	Chemical formula	Covalent / Ionic	Type of particle (atom / molecule / ion)	Physical State at r.t.p (room temp. & pressure)
water	H ₂ O			
ammonia	NH ₃			
sodium chloride	NaCl			
magnesium oxide	MgO			
potassium chloride	KCl			
copper (II) oxide	CuO			
nitrogen dioxide	NO ₂			
*sodium nitrate	NaNO ₃			
*lead (II) carbonate	Pb(NO ₃) ₂			
*calcium hydroxide	Ca(OH) ₂			
*magnesium sulfate	Mg(SO ₄) ₂			

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