

Simple Binary Ionic Compounds

Please complete the following table:

Name of Ionic Compound	Formula of Ionic Compound
1. Sodium bromide	
2. Calcium chloride	
3. Magnesium sulfide	
4. Aluminum oxide	
5. Lithium phosphide	
6. Cesium nitride	
7. Potassium iodide	
8. Barium fluoride	
9. Rubidium nitride	
10. Barium oxide	
11.	K_2O
12.	Mg_2
13.	$AlCl_3$
14.	$CaBr_2$
15.	Na_3N
16.	LiF
17.	Ba_3P_2
18.	Cs_2S
19.	SrF_2
20.	$NaCl$

Binary Covalent Compounds

Please complete the following table:

Name of <i>Covalent</i> Compound	Formula of <i>Covalent</i> Compound
1. carbon dioxide	
2. phosphorus triiodide	
3. sulfur dichloride	
4. nitrogen trifluoride	
5. dioxygen difluoride	
	6. N ₂ F ₄
	7. SCl ₄
	8. ClF ₃
	9. SiO ₂
	10. P ₄ O ₁₀

Determine whether the following compounds are **covalent** or **ionic** and give them their proper names.

1. Ba(NO₃)₂
2. CO
3. PCl₃
4. KI
5. CF₄
6. MgO
7. Cu₂S
8. SO₂
9. NCl₃
10. XeF₆