

Chemical Bonding and Intermolecular Forces Worksheet

Tick the correct boxes in the following table.

Name of the Compound	Ionic Bond	Polar Covalent Bond	Non-polar Covalent Bond
NH ₃			
F ₂			
NO			
HCl			
NaCl			
CH ₃ Cl			
I ₂			
KF			
NO			
CaCl ₂			
CH ₃ OH			
H ₂ O			
PCl ₃			
CH ₄			
O ₂			

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Answers

Name of the Compound	Ionic Bond	Polar Covalent Bond	Non-polar Covalent Bond
NH ₃		✓	
F ₂			✓
NO		✓	
HCl		✓	
NaCl	✓		
CH ₃ Cl		✓(C-Cl)	✓(C-H)
I ₂			✓
KF	✓		
NO		✓	
CaCl ₂	✓		
CH ₃ OH		✓(O-H)	✓(C-H)
H ₂ O		✓	
PCl ₃		✓	
CH ₄			✓(C-H)
O ₂			✓