

# Polarity of Bonds Worksheet

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Complete the table with the appropriate information.

Formula	Is the Bond between the Participating Atoms Polar or Non-polar?
H <sub>2</sub>	
HCl	
HBr	
H <sub>2</sub> O	
H <sub>2</sub> S	
N <sub>2</sub>	
NH <sub>3</sub>	
NCI <sub>3</sub>	
F <sub>2</sub>	
Cl <sub>2</sub>	
Br <sub>2</sub>	
BrCl	
I <sub>2</sub>	
CO <sub>2</sub>	
CCl <sub>4</sub>	
CH <sub>3</sub> Cl	
CH <sub>2</sub> Cl <sub>2</sub>	
CHCl <sub>3</sub>	
CH <sub>3</sub> Br	
CH <sub>4</sub>	

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## Answers

Formula	Is the Bond between the Participating Atoms Polar or Non-polar?
H <sub>2</sub>	Non-polar
HCl	Polar
HBr	Polar
H <sub>2</sub> O	Polar
H <sub>2</sub> S	Polar
N <sub>2</sub>	Non-polar
NH <sub>3</sub>	Polar
NCI <sub>3</sub>	Polar
F <sub>2</sub>	Non-polar
Cl <sub>2</sub>	Non-polar
Br <sub>2</sub>	Non-polar
BrCl	Polar
I <sub>2</sub>	Non-polar
CO <sub>2</sub>	Non-polar
CCl <sub>4</sub>	Non-polar
CH <sub>3</sub> Cl	Polar
CH <sub>2</sub> Cl <sub>2</sub>	Polar
CHCl <sub>3</sub>	Polar
CH <sub>3</sub> Br	Polar
CH <sub>4</sub>	Non-polar