

# Clicker Questions for *Molecule Polarity*

## **AUTHORS**

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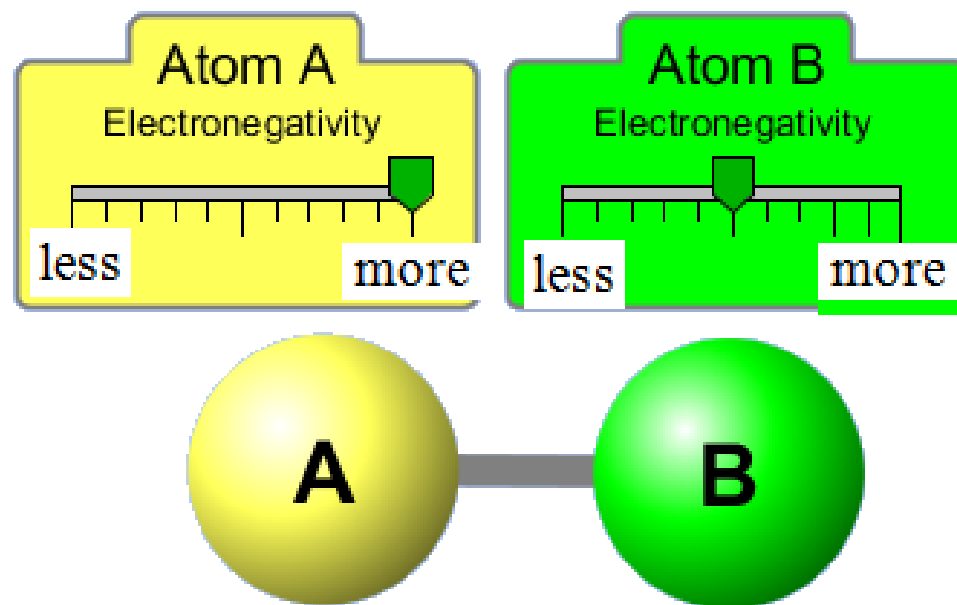
Robert Parson (University of Colorado Boulder)

## **COURSE**

Introductory / Preparatory College Chemistry

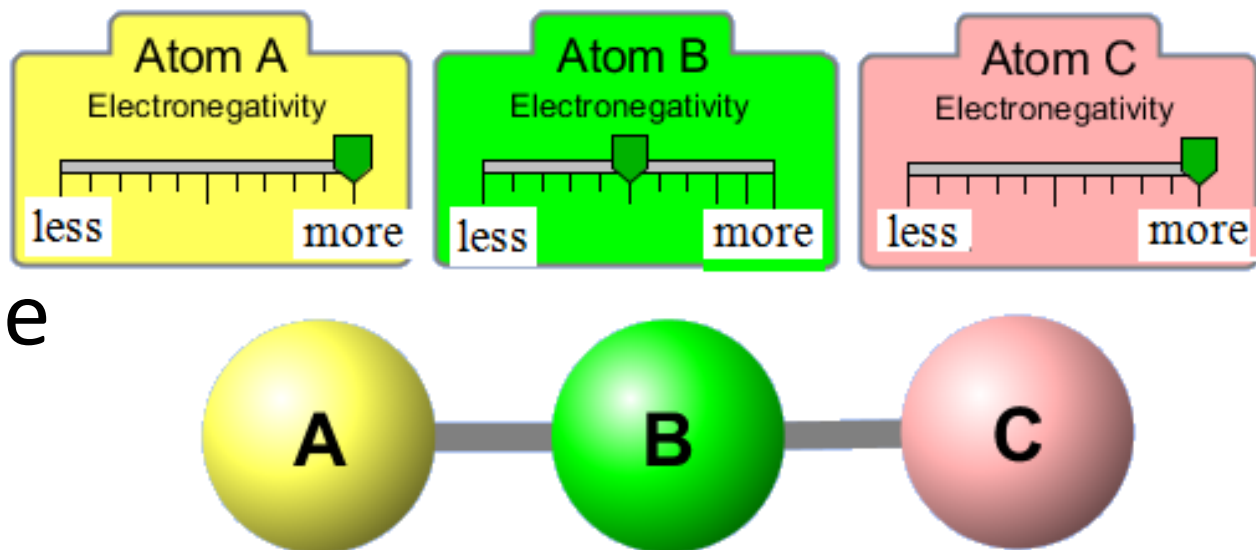
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Which is the best description for this bond?

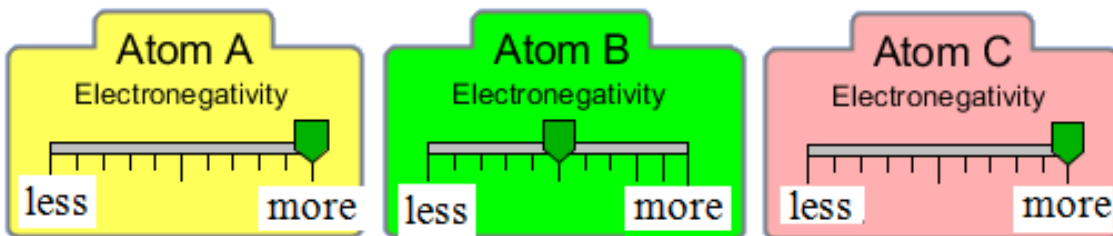


- a. nonpolar covalent
- b. polar covalent**
- c. ionic

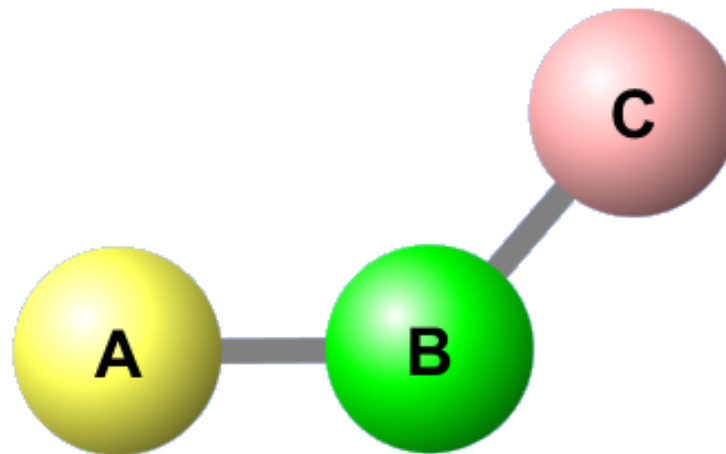
The molecule shown would be described as:



- a. polar bonds, nonpolar molecule
- b. nonpolar bonds, nonpolar molecule
- c. polar bonds, polar molecule
- d. nonpolar bonds, polar molecule

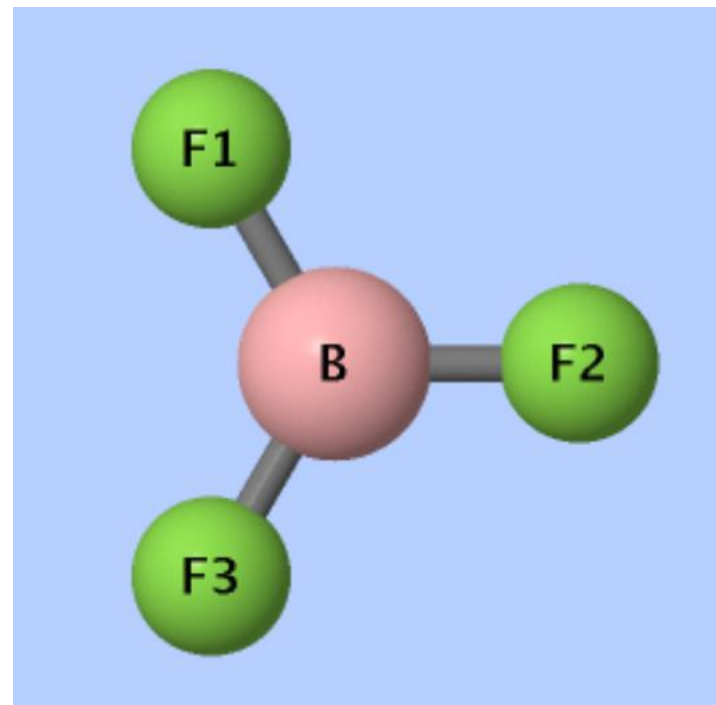


The molecule shown would be described with



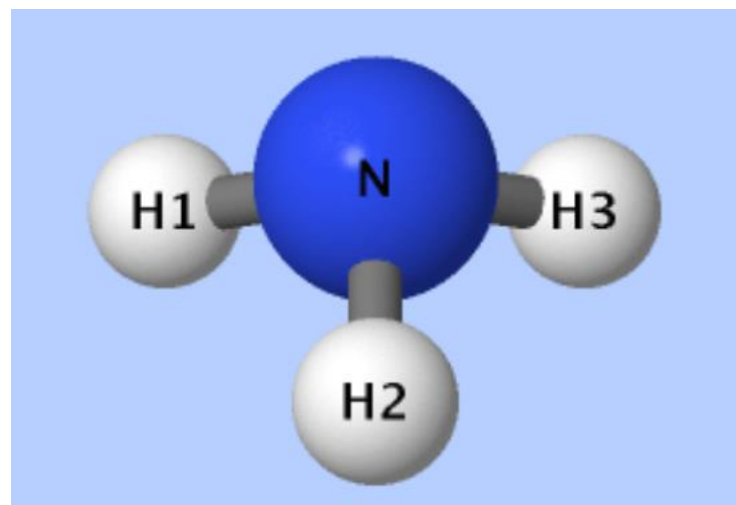
- a. polar bonds, nonpolar molecule
- b. nonpolar bonds, nonpolar molecule
- c. polar bonds, polar molecule**
- d. nonpolar bonds, polar molecule

How would you describe the trigonal planar molecule  $\text{BF}_3$ ?



- a. polar bonds, nonpolar molecule
- b. nonpolar bonds, nonpolar molecule
- c. polar bonds, polar molecule
- d. nonpolar bonds, polar molecule

How would you describe the trigonal pyramidal molecule  $\text{NH}_3$ ?



- a. polar bonds, nonpolar molecule
- b. nonpolar bonds, nonpolar molecule
- c. polar bonds, polar molecule
- d. nonpolar bonds, polar molecule

Which of the following molecules are polar?



d. Both (a) and (b)

d. Both (b) and (c)