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Carbon forms covalent bonds with many different elements.

- Describe the difference between a nonpolar covalent bond and a polar covalent bond.
- Using electronegativity trends in the periodic table, rank the three covalent bonds shown below in order from least polar to most polar. Explain your reasoning.



- Identify one covalent bond from part (b) in which the carbon atom has a partial positive charge. Explain your answer.