Bond Types and Polarity – Study Guide

*sections 7.2 and 7.6 in OpenStax*

**Bond Polarity (sections 7.2)**

Define **electronegativity**.

Classify the following bonds as **polar** or **nonpolar**. For polar bonds, use and  to indicate the polarity of the bonds.

F – Cl C – S H – Br B – H Cl – S

**Bond Polarity (sections 7.6)**

Draw Lewis structures for CO2 and H2O showing the correct bond angles. Indicate the direction of polarity of the bonds on each molecule.

Which molecule is polar? Explain your choice.

Give one example of a polar linear molecule. How is this molecule different from CO2?.

**End of Chapter 7 Practice Problems**

#15, 17, 21, 97

For detailed solutions to these problems, go to the [OpenStax website](https://openstaxcollege.org/textbooks/chemistry/resources) and download the “Student Answer and Solution Guide.”