

Download the PhET applet from

<http://phet.colorado.edu/en/simulation/molecule-shapes>

and use it to help you complete this worksheet. You will need to have the Lewis structures which were already sent to you as answers in a previous email. (Or you can redraw them.)

Formula	Electron pair geometry	Molecular shape	Hybridization
NH ₃			
NH ₄ ⁺			
NH ₂ ⁻			
C ₂ H ₂			
SO ₃			
HNO ₃			
CH ₃ CH ₂ OH			

What things about the molecular shape are the same as the electron pair geometry? What things are different?