Q #	Questions
	HBr, O_2 and CH ₃ OH all have comparable molecular masses. List the dominant type of IMF. (H_2S is bent like water), then rank the strength of each compound based on IMFs within the samples.
	(1 = strongest, 2 = in between, 3 = weakest).
1	HBr
	O ₂
	CH ₃ OH
	Circle the substances below that can form a hydrogen bond in its pure form. Explain why the other species couldn't
	hydrogen bond.
2	
	Rank the following compounds from weakest intermolecular forces to strongest. Justify your answers.
	H_2S I_2 N_2 H_2O
3	
	Rank the following from weakest intermolecular forces to strongest. Justify your answers.
	They are all bent like water) H_2Se H_2S H_2Po H_2Te
4	
	Using your knowledge of molecular structure, identify the main intermolecular force in the following compounds
	You may find it useful to draw Lewis structures to find your answer. PF_3 H ₂ CO HF
5	
	Evaluin how dingle dingle foreces cause molecules to be attracted to one enother
	Explain now upole-upole forces cause molecules to be attracted to one another.
6	
	Explain how London Forces cause molecules to be attracted to one another.
7	
1	
	Rank the following compounds from lowest to highest boiling point:
	calcium carbonate, methane, methanol (CH_4O), dimethyl ether (CH_3OCH_3).
8	
-	
	Explain why nonpolar molecules usually have much lower surface tension than polar ones.
9	
	What is the difference between a regular dipole-dipole force and a hydrogen bond force? What is an example of
	hydrogen bonding that occurs in your body?
10	