1 Classifying Chemical Species

[1]	1.		ntify the bonding present in the following species. See Table 8 for values of Osmium ($Z = 76$)	fχ.	
[1]		(b)	BrCl	(a)	METALLIC
ניז		(D)	BIOI	(b)	COVALENT
[1]		(c)	O ₃ (g)	(c)	COVALENT
[1]		(d)	Between P and O in HPO ₃ ²⁻	<i>(</i> .1)	COVALENT
[1]		(e)	MgO	(d)	
[1]		(f)	Ar	(e)	IONIC
[1]		(g)	$(NH_4)_2O$	(f) (g)	COVALENT BETWEEN N-H TONIC BETWEEN NH AND C
[1]	2.	(a)	State and explain the bonding expected between boron and fluorine in BF ₃ (g).		
			DIFFERENCE IN ELECTRONEGATIVITY = $4.0 - 2.0 = 2.0$ BECAUSE $2.0 > 1.8$ (THRESHOLD OF CONSIDERING AS IONIC), BF ₃ . SH		
		(b)	If you have prior knowledge about this kind of bonding, you should find the result surprising. What is inconsistent with your prior knowledge?		
			IONIC COMPOUNDS TEND TO BE SOLIDS AT ROOM TEMPERAT BUT BORON TRIFLUORIDE IS A <i>GAS</i> .	UR	E,