4 / 14: Structure and Bonding

Contents

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1 Classifyi	ng Che	mical	Species			
Question:	1	2	Total			
Points:	7	1	8			

1 Classifying Chemical Species

[1]	1.		ntify the bonding present in the following species. See Table 8 for values of Osmium ($Z=76$)	<i>X</i> .				
[1]		(b)	BrCl	(a)				
[1]		(c)	O ₃ (g)	(b)				
[1]				(c)				
			·	(d)				
[1]		(e)	MgO	(e)				
[1]		(f)	Ar	(f)				
[1]		(g)	$(NH_4)_2O$	(g)				
[1]	2.	(a)	State and explain the bonding expected between boron and fluorine in BF					
			If you have prior knowledge about this kind of bonding, you should find the result surprising. What is inconsistent with your prior knowledge?					