

SCH 4U - Shape Assignment: Draw good lewis dot diagrams of each molecule or ion and using the template provide description of the shape. Include the oxidation state of the central atom.

1. CH_4
2. H_2O
3. NH_4^{1+}
4. NO_2^{1-}
5. NO_3^{1-}
6. CO_3^{2-}
7. ClO^{1-}
8. ClO_2^{1-}
9. ClO_3^{1-}
10. ClO_4^{1-}
11. SO_2
12. SO_3^{2-}
13. SO_4^{2-}
14. SO_3
15. SF_6
16. AsCl_5
17. IF_5
18. XeF_4

SHAPE ASSIGNMENT

	total # of e ⁻ pairs	
	σ bonding pairs	
	lone pairs	
	π bonding pairs	
	base shape	
	actual shape	
Oxidation State of Central Atom:	approx. bond angles	

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