Name	Period
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Worksheet on Lewis Dots #2 VSEPR Theory and Molecular Geometries

Part I: Draw the Lewis Dot structures for the following 20 molecules and ions. Identify the geometry type (AB₂ for example) and their molecular shape (linear for example).

geometry type (AB $_2$ for example) and their molecular shape				
1)	\mathbf{I}_2	2)	BI_3	
Type: Shape:		Type: Shape:		
3)	$\mathrm{CH_4}$	4)	CO_2	
Type: Shape:		Type: Shape:		
5)	PCl ₃	6)	PBr ₅	
Type: Shape:		Type Shap	e: be:	
7)	H_2O	8)	O_2	
Type: Shape:		Type Shap	e: oe:	
9)	SCl ₆	10)	SF ₄	
Type: Shape:		Type Shap	e: e:	
11)	NCl ₃	12)	SF ₆	
Type:		Туре		
Shape:		Shap		

13) IF₅

14) PBr₃

Type: Shape:

15) I₃⁻

16) XeF₄

Type: Shape:

Type: Shape:

Type: Shape:

17) XeF₂

18) ClF₃

Type: Shape:

Type: Shape:

19) SiCl₄

20) ICl₂

Type: Shape:

Type: Shape: