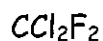
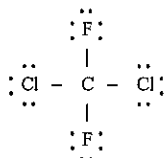


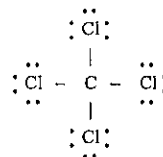
## I. Draw Lewis Structures for the following molecules.



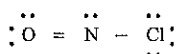
$$4 + (2 \times 7) + (2 \times 7) \\ = 32 \text{ valence } e^-$$



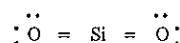
$$4 + (4 \times 7) \\ = 32 \text{ valence } e^-$$



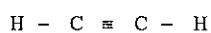
$$6 + 5 + 7 \\ = 18 \text{ valence } e^-$$



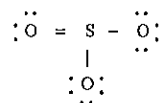
$$4 + (2 \times 6) \\ = 16 \text{ valence } e^-$$



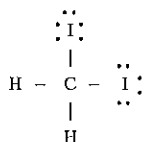
$$(2 \times 4) + (2 \times 1) \\ = 10 \text{ valence } e^-$$



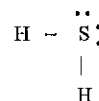
$$6 + (3 \times 6) \\ = 24 \text{ valence } e^-$$



$$4 + (2 \times 1) + (2 \times 7) \\ = 20 \text{ valence } e^-$$



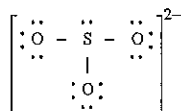
$$6 + (2 \times 1) \\ = 8 \text{ valence } e^-$$



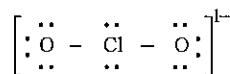
## II. Draw Lewis Structures for the following polyatomic ions.



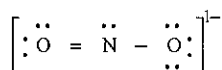
$$6 + (3 \times 6) + 2 \\ = 26 \text{ valence } e^-$$



$$7 + (2 \times 6) + 1 \\ = 20 \text{ valence } e^-$$



$$5 + (2 \times 6) + 1 \\ = 18 \text{ valence } e^-$$



$$6 + 1 + 1 \\ = 8 \text{ valence } e^-$$

