

Covalent Bonding*Dot and Line Structures***Learning Target**

Explain the result of electron sharing in covalent bonds.

Draw the electron dot structure and line structure for each of the following molecules.

Compound	Dot Structure	Line Structure
PBr ₃ (P is central atom)		
Br ₂		
NH ₃ (N is central atom)		
H ₂ S (S is central atom)		
BrCl		
HI		
CCl ₄ (C is central atom)		

Compound	Dot Structure	Line Structure
NCl_3 (N is central atom)		
H_2O (O is central atom)		
CHCl_3 (C is central atom)		
SiH_4 (Si is central atom)		
SF_2 (S is central atom)		
SbI_3 (Sb is central atom)		
C_2H_6		

Compound	Dot Structure	Line Structure
CS_2 (C is central atom)		
OF_2 (O is central atom)		
C_2H_4		
COF_2 (C is central atom)		
CBr_3F (C is central atom)		
N_2H_4		
C_2H_2		

Compound	Dot Structure	Line Structure
C ₃ H ₈		
CO		