

Worksheet: Covalent Lewis Dots and Structural diagrams.

Complete the chart below

Compound	Lewis Dot diagram	Structural diagram
H ₂		
F ₂		
NH ₃		
CCl ₄		
HF		

In the chart above, state the number of bonding pairs of electrons for each compound.

In the chart above, state the number of lone pairs of electrons for each compound.

State whether the following substances are ionic or covalent.

1. NaCl

2. CS₂

3. F₂

4. CaCl₂

5. CH₃OH

6. C₆H₁₂O₆

7. Fe(OH)₃

8. Na₂SO₄

9. SO₂

10. SO₃⁻²