Diatomic Molecules

D. Molecules: are molecules made of two of the same kind of atoms.

**Example: O2 (Oxygen gas)**

**When oxygen travels by itself it usually travels in pairs because it is more stable when it shares a pair of electrons with another oxygen.**

**A saying (acronym) to help you remember the elements that travel as diatomic molecules is:**

**“H O F Br I N Cl”**

**H2, O2, F2, Br2, I2, N2, Cl2 (all travel in pairs).**

**Hydrogen + Oxygen🡪 Water**

**Equation??**

**2H2 + O2 🡪 2H2O**

**Diatomic Molecules**

**Give the formulas for the following chemical equation:**

**Chlorine + Nitrogen 🡪 Dinitrogen Trichloride.**

**3Cl2 + 2 N2 🡪 2 N2Cl3**