

- Every element in Atmosphere
is diatomic (2 atoms)

N
(column 5)

1. Find the column atom is in on
Periodic Table. Whatever it is.
that's how many valence electrons it has.



(H) - hydrogen is explosive

H• ← only 1 electron

H₂ (H:H) air diatomic

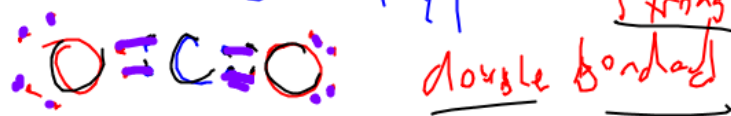
(O) - oxygen it causes things to burn

Carbon Dioxide



CO₂ - Carbon + 2 oxygens strong!

• Sublimation
solid → gas



CO_2 heavier than air!

$$\begin{array}{r} \text{C} \quad -12 \quad \text{---} \quad + \\ \text{O}_2 \quad -16 \times 2 = 32 \end{array}$$

CO_2 44 gms

44

air is most H_2 N_2

28 gms

$$14 \times 2 = 28$$

* almost 2x weight of air!

- H_2O in air

$$H \text{ is } 1 \times 2 = 2$$

$$O \text{ is } 16 + 2 = 18 \text{ gms}$$

What is heavier than water!

$$(air) \ 28 : 18 (H_2O)$$