

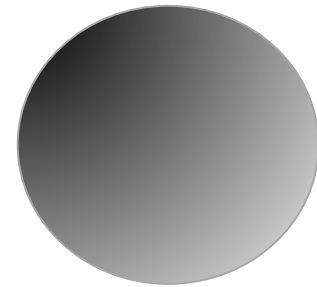
Dalton's Atomic Model

Dalton's Atomic Model

All matter is made up of atoms



John Dalton (1766-1844)



Dalton's Atomic Model

Atoms are indivisible



John Dalton (1766-1844)

Yours truly
John Dalton



Dalton's Atomic Model

Atoms are indivisible



John Dalton (1766-1844)

Yours truly
John Dalton



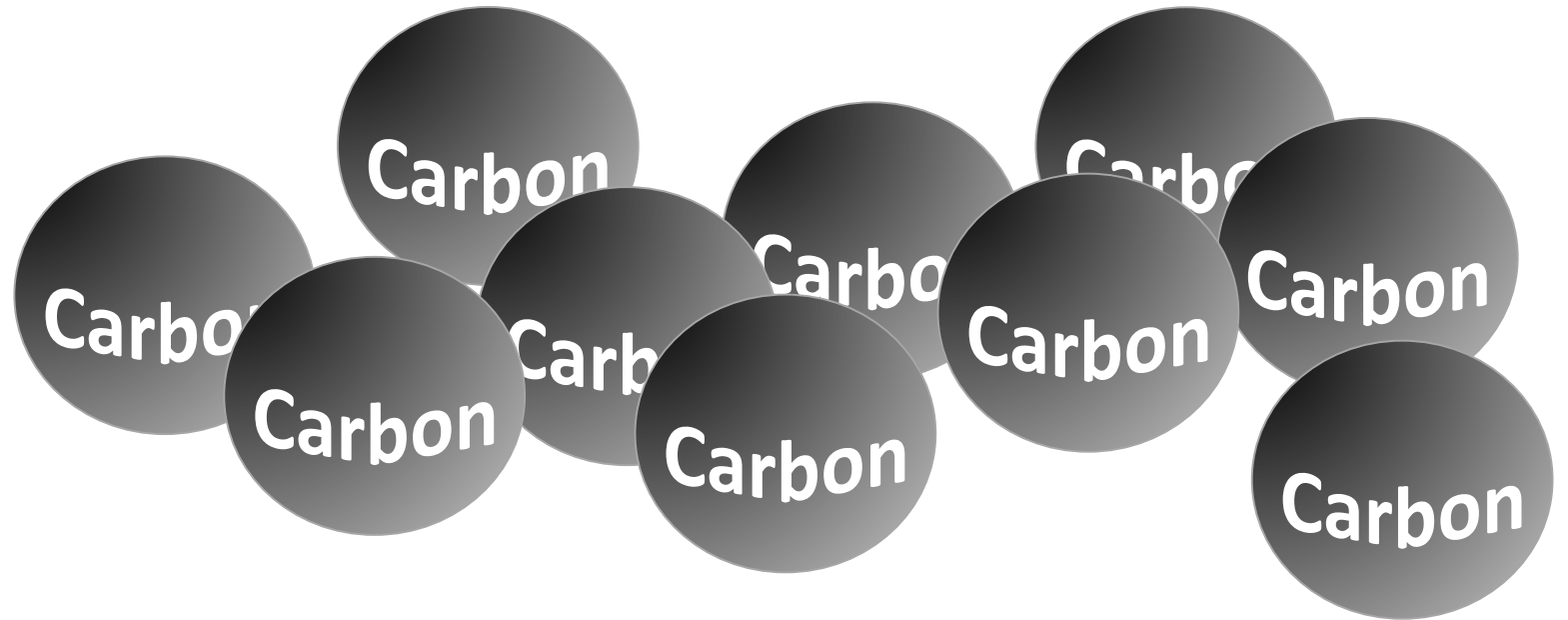
Dalton's Atomic Model

Atoms of the same element are identical



John Dalton (1766-1844)

John Dalton
John Dalton



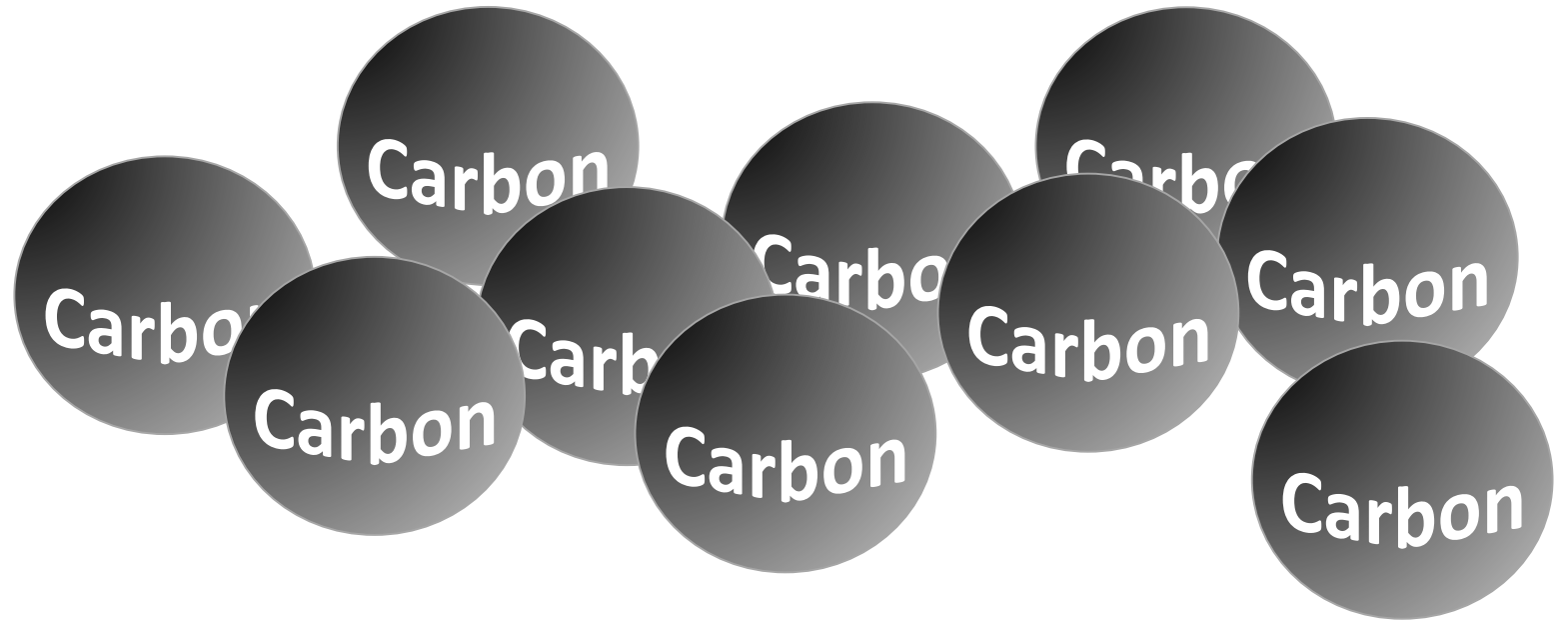
Dalton's Atomic Model

Atoms of the same element are identical



John Dalton (1766-1844)

John Dalton



Dalton's Atomic Model

H

Atoms of different elements differ in size, mass, and other properties

Nitrogen



John Dalton (1766-1844)

John Dalton

Carbon

Sulphur

Dalton's Atomic Model

H

Atoms of different elements differ in size, mass, and other properties

Nitrogen



John Dalton (1766-1844)





















John Dalton

Carbon

Sulphur

Dalton's Atomic Model

ELEMENTS

	Hydrogen.	1 ^w		Strontian	46 ^w
	Azote	5		Barytes	68
	Carbon	5 ^w		Iron	56
	Oxygen	7		Zinc	56
	Phosphorus.	9		Copper	56
	Sulphur	13		Lead	90
	Magnesia	20		Silver	190
	Lime	24		Gold	190
	Soda	28		Platina	190
	Potash	42		Mercury	167



John Dalton (1766-1844)

John Dalton

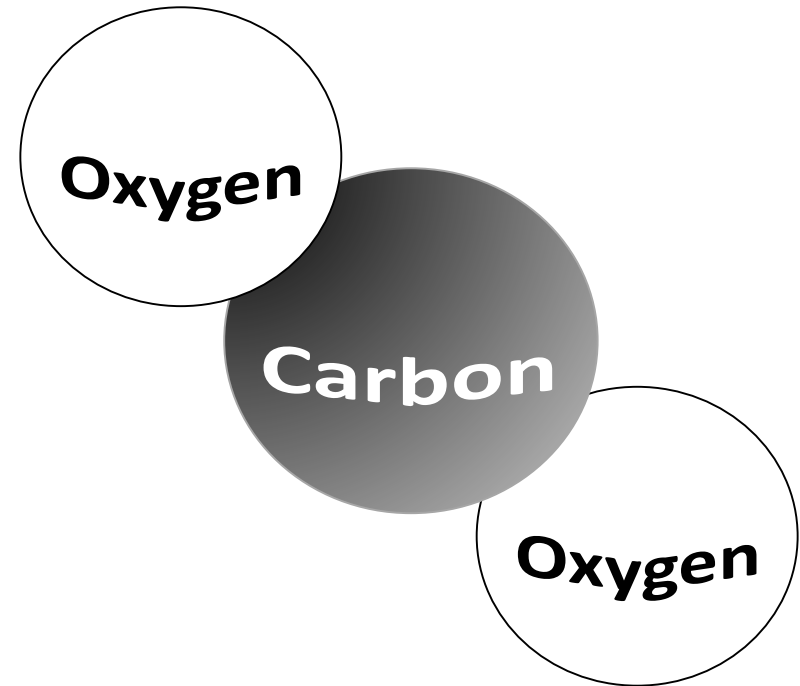
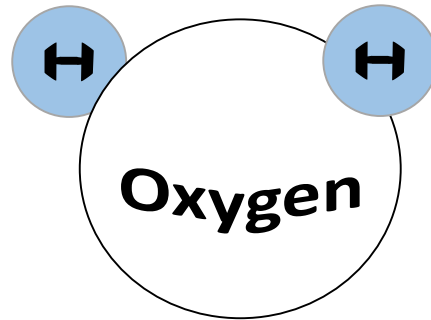
Dalton's Atomic Model

Atoms can combine to form compounds



John Dalton (1766-1844)

Younis Touby
John Dalton



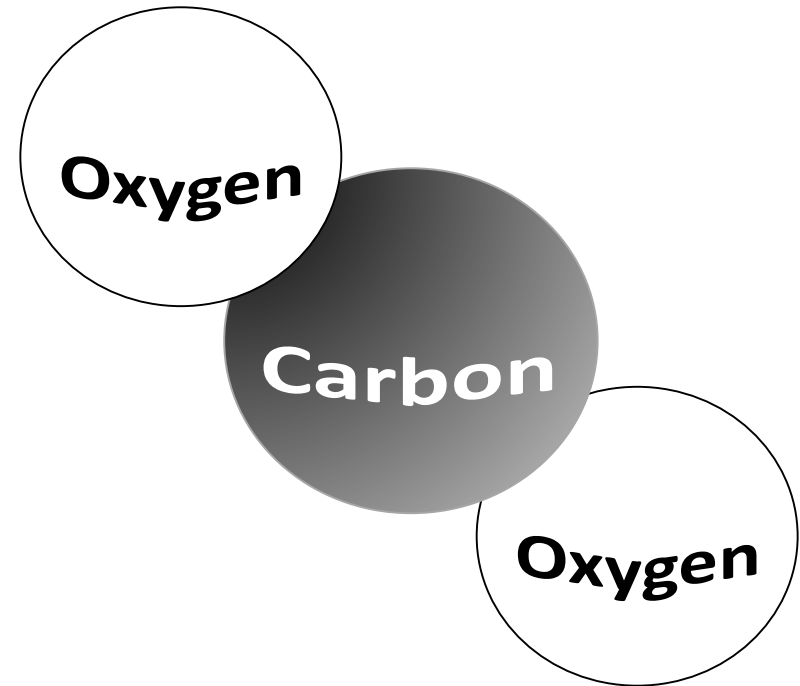
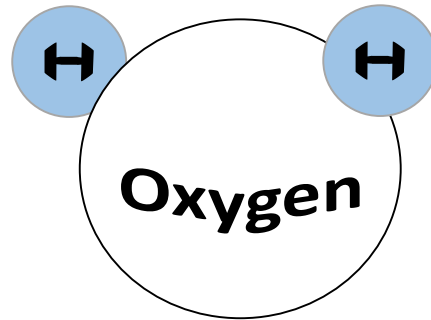
Dalton's Atomic Model

Atoms can combine to form compounds



John Dalton (1766-1844)

*Engraving by
John Dalton*

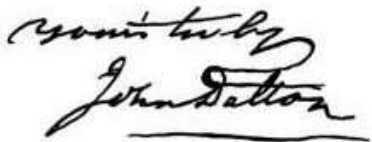


Dalton's Atomic Model

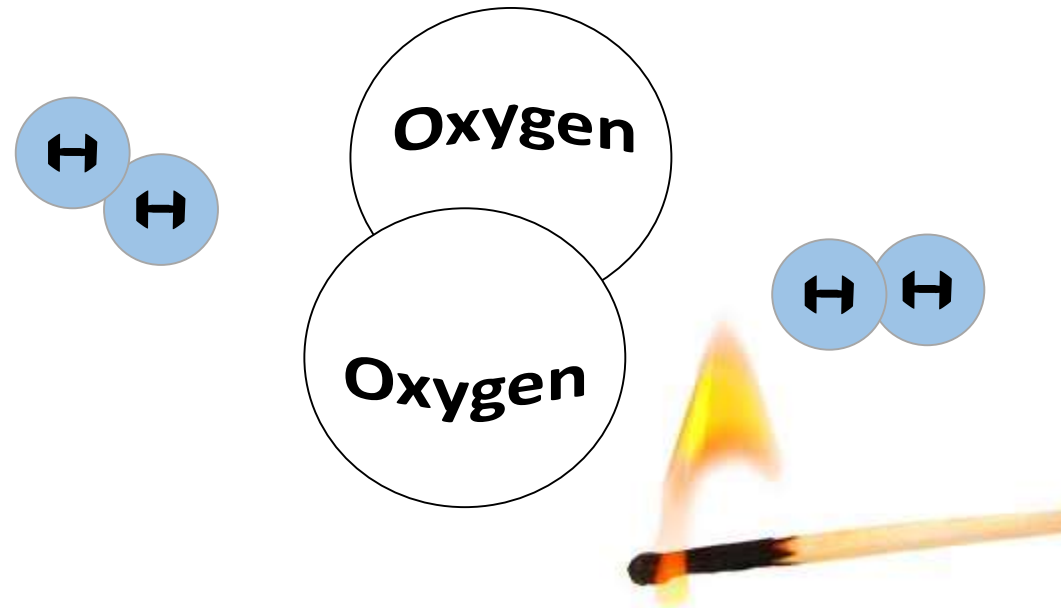
Atoms are neither created nor destroyed in a chemical reaction; they are merely rearranged



John Dalton (1766-1844)

A handwritten signature in cursive script that reads "John Dalton".

Hydrogen + Oxygen →



Dalton's Atomic Model

Atoms are

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ged

POP !



John Dalton

John Dalton

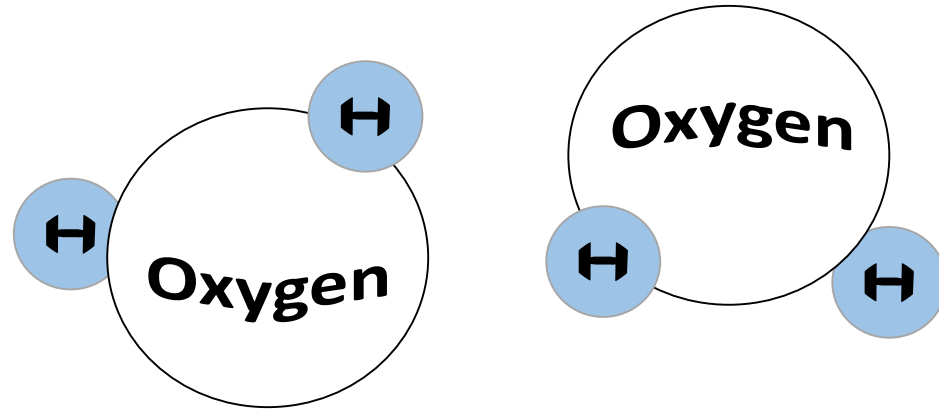
Dalton's Atomic Model

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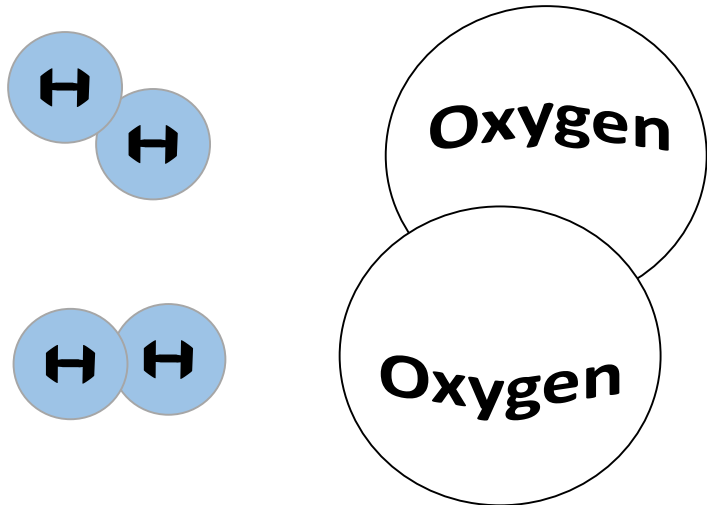


Dalton's Atomic Model

Conservation of Matter

Reactants

Hydrogen + Oxygen



(Atoms are merely rearranged)



Product

Water

