

Element = pure substance
made of 1 type
of atom

92	natural elements
118	total elements
26	man-made elements

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Compound = 2 or more
elements combine
in exact, precise, non-
changing amounts

H_2O , CO_2 , $C_6H_{12}O_6$, HCl

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Molecule = smallest
piece/particle/chunk
of a compound or
element



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Physical properties:
you can see or
measure without
changing it
(color, size, shape,
temperature, texture)

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Physical change=
end up with original
substance
(make something wet,
tear it, staple, tape)
solid $\rightarrow$ liquid $\rightarrow$ gas

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Chemical change
produces a new
substance
(burn paper $\rightarrow$ ash
burn gasoline $\rightarrow$ exhaust
gases)

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