

$P + n \rightarrow$ ATOMIC MASS
 $\Delta \#p \Rightarrow$ new element
 $\Delta \#e^- \Rightarrow$ ion
 Add $e^- \rightarrow \ominus$ ion (ANION)
 lose $e^- \rightarrow \oplus$ ion (CATION)
 $\Delta \#n \Rightarrow$ isotope

$\# \text{ Protons}$
ATOMIC #
 $\text{Subt} = \#n$

19 F
 9

Jan 19-8:49 AM

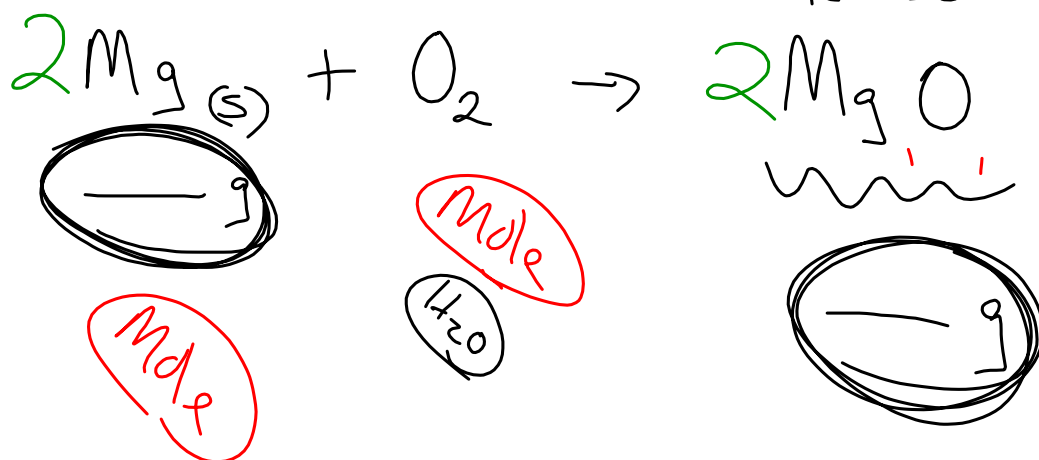
Orbitals
Energy level
 Sublevel $\begin{matrix} 2 \\ 2 \\ 2 \end{matrix}$ (N)
 2-6 S+P
 2-6-10 S+P+d
 2-6-10-14 S+P+d+f
 (2n²)

Principal Energy Level \rightarrow
 1 2 3 4

Orbitals S —
 P — —
 d — — —
 f — — — —

Jan 19-9:03 AM

Synthesis of MgO



Jan 19-9:26 AM

Jan 19-9:26 AM