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PURPOSE: "WHICH ELEMENT
HAS A GREATER ____?"

WARMUP: IN EACH PAIR,
CIRCLE WHICH HAS MORE
PROTONS:

NITROGEN PHOSPHORUS

NITROGEN OXYGEN

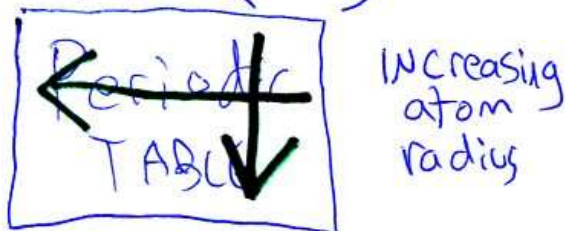
#1 OPPOSITE CHARGES ATTRACT



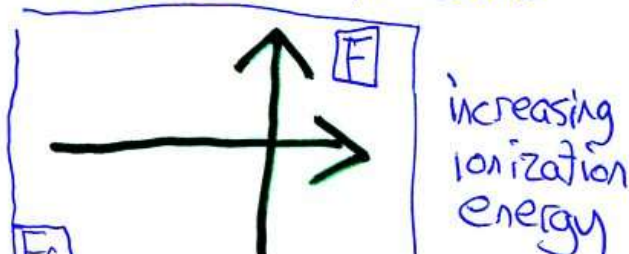
AND ADDING MORE
⊕ CHARGES ATTRACTS
STRONGER

#2 ~~ATOM~~ DISTANCE
DECREASES THE ATTRACTION

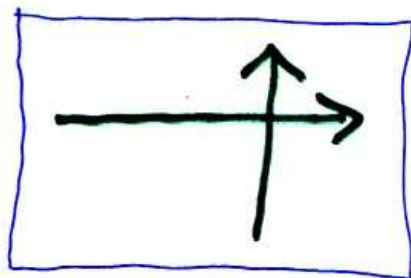
#3 RADIUS (SIZE)



#4 IONIZATION ENERGY
IS HIGH IF AN ELECTRON
IS DIFFICULT TO STEAL



#5 ELECTRONEGATIVITY



increasing
electro
negativity

#6 How LARGE IS YOUR ION'S RADIUS?

METALS FORM CATIONS AND SHRINK.

NONMETALS FORM ANIONS AND GROW.