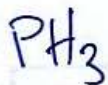
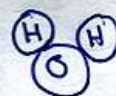
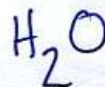
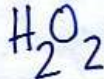
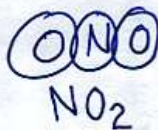
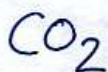
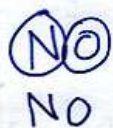


NO NOTEBOOK: WRITE IN THE WARMUP BOX

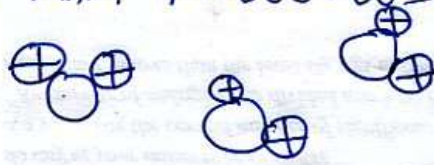
PURPOSE: USE AVOGADRO'S  
PRINCIPLE TO SOLVE + FIND  
FORMULAS OF COMPOUNDS

WARMUP COPY THESE IN WARMUP BOX



FORMULAS USE A SUBSCRIPT  
TO SHOW TWO OR MORE ATOMS.  
IF THERE IS ONLY ONE  
ATOM, USE NO SUBSCRIPT

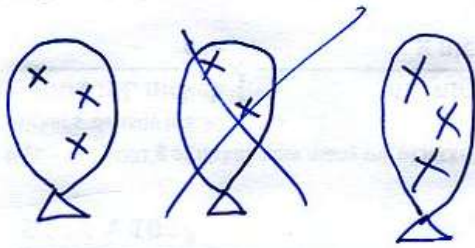
How MANY MOLECULES & ATOMS?



IS MATTER BEING CONSERVED HERE



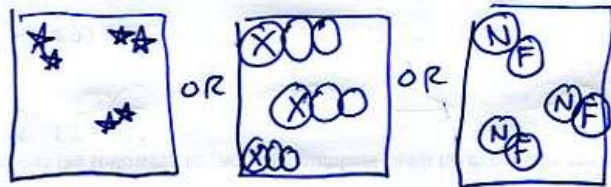
EACH BALLOON / BOX HAS THE SAME NUMBER OF MOLECULES.





# SUGGESTIONS FOR SOLVING TONIGHT'S HOMEWORK.

① USE THESE DRAWING STYLES



② USE ANY NUMBER OF MOLECULES BUT EACH BOX SHOULD HAVE THE SAME NUMBER OF MOLECULES

③ DON'T MAKE ~~ANY~~ ATOMS APPEAR OR DISAPPEAR; IF THERE ARE FIVE  $\otimes$  BEFORE THE ARROW THERE SHOULD BE FIVE  $\otimes$  AFTER THE ARROW.

④ BIG HINT: MANY PROBLEMS ARE EASIER TO SOLVE IF YOU START WITH DOUBLE-ATOMS:  $\text{OO}$  or  $\oplus\oplus$  or  $\otimes\otimes$   
 $\text{FF}$   $\text{HH}$

RESEARCH SHOWS STUDENTS REMEMBER LONGER IF TEACHERS CREATE PROBLEMS THAT ARE NOT SOLVED RIGHT THE FIRST TIME