NO NOTEGOW: WRITE IN THE WARMUP BOX
Purpose: use avogadro's
PRINCIPLE TO SOLVE +FIND FORMULAS OF COMPOUNDS
Warmup Copy these in warmup ox

$\mathrm{PH}_{3} \mathrm{NO} \quad \mathrm{NO}_{2}$
Formulas use a subscript To SHOW Two OR MORE ATOMS.
If There is only one ATOM, USE NO SUBCSRIPT

How Many molecules \& AToms?


Is matter being consented Hist

$$
+\infty \rightarrow \text { IMPOSSBLE }^{O O}
$$

Each Balloon/Box has the Same NUMBER OF MOLECULES.


## Today in class we attempted to follow the two rules shown in the orange box below. It was difficult!



## Here is a correct solution to the hardest problem we did during classwork today. Very few people got this solution correct:



SUGGESTIONS FOR
SOLVING TONIGH'S
HOMEWORK.
Que these draw ing styles

(2) USE AN NUMBER OF MOLECULES BUT EACH BOX SHOLD HAVE THE SAME number of molecules
(3) DON'T MAKE 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 ya start with DOUBLE-ATOMS: $O D$ or OR
(6) 뷰)

RESEARCH SHOWS STUDENTS
REMEMBER LONGER IF
Teachers create Problems
that are not solved
RIGHT THE FIRST TIME

