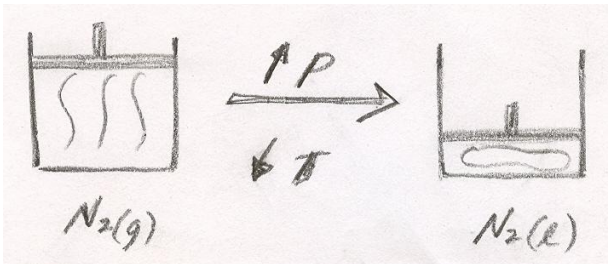


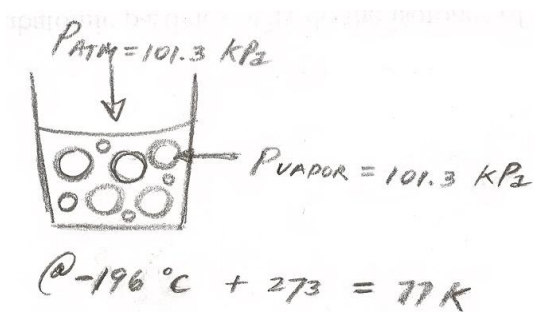
Liquid Nitrogen Day

DEMOS

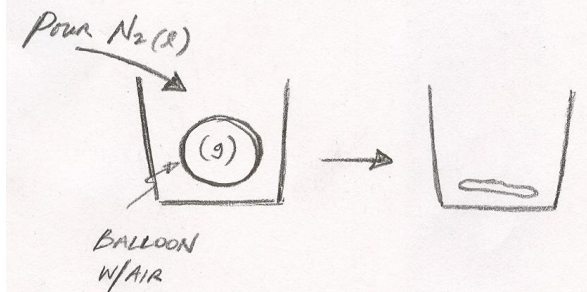
#1) Made by **compressing** nitrogen gas at a **low** temperature .



#2) Will **boil** when placed in a beaker on the table. Instantly **vaporizes** when splashed onto the table.

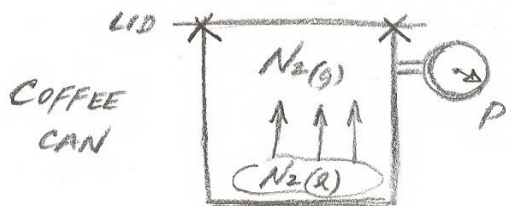


#3) **"Shrinks"** (contracts) a balloon filled with air.



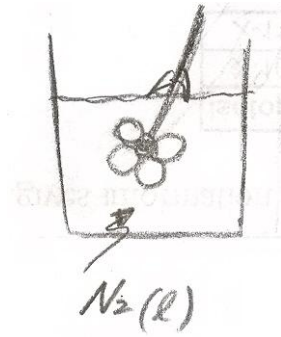
WHY? Charles' Law: { P constant, V decr, T decr }

#4) When trapped in a coffee can, **explodes** the top off



WHY? Avogadro's Law: { V & T constant, moles (g) incr, P incr }

#5) It's so cold that it freezes flowers so that they shatter like glass. (Marshmallows too!)



WHY? T decr, KE decr, molecules less vibrant, more rigid