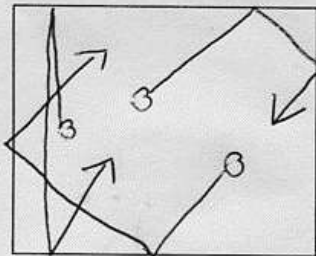


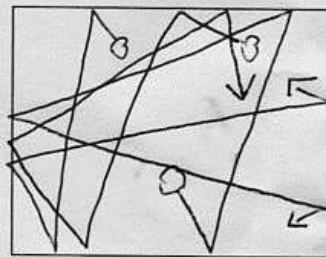
Purpose:

What makes gas pressure go up?
Down?

WARMUP, draw two boxes with three molecules each. Make the ones in the second box bounce twice as many times off of the walls:



-73 °C
(SIX HITS)
200 K



127 °C
(twelve HITS)
400 K

#1 Why should you never use degrees celsius in GAS PROBLEMS?

Kelvins are better because
When kelvins double, both pressure
and hits will double

#2 There are three ways to affect the pressure of a sample of gas

Increasing volume of the box gives ~~(fewer)~~ more hits

Increasing the number of particles of gas gives ~~(fewer)~~ more hits

making the particles hotter gives ~~(fewer)~~ more hits