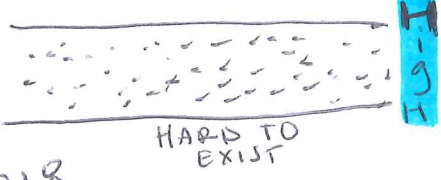


passing period



class time

NOV 6 2018
P2 NOTES

LT1: INTRO INTO RESPIRATORY SYSTEM

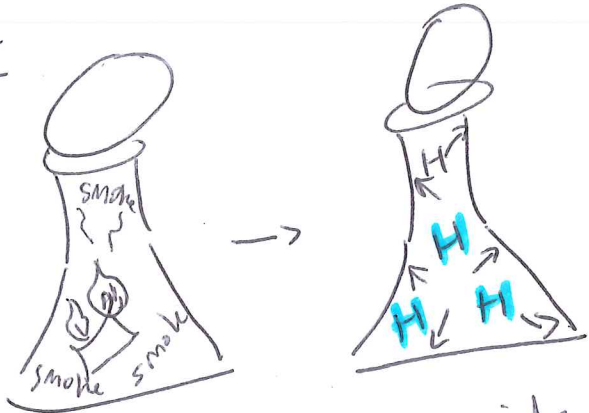
How to get the egg to go into the graduated cylinder?

TRY #1

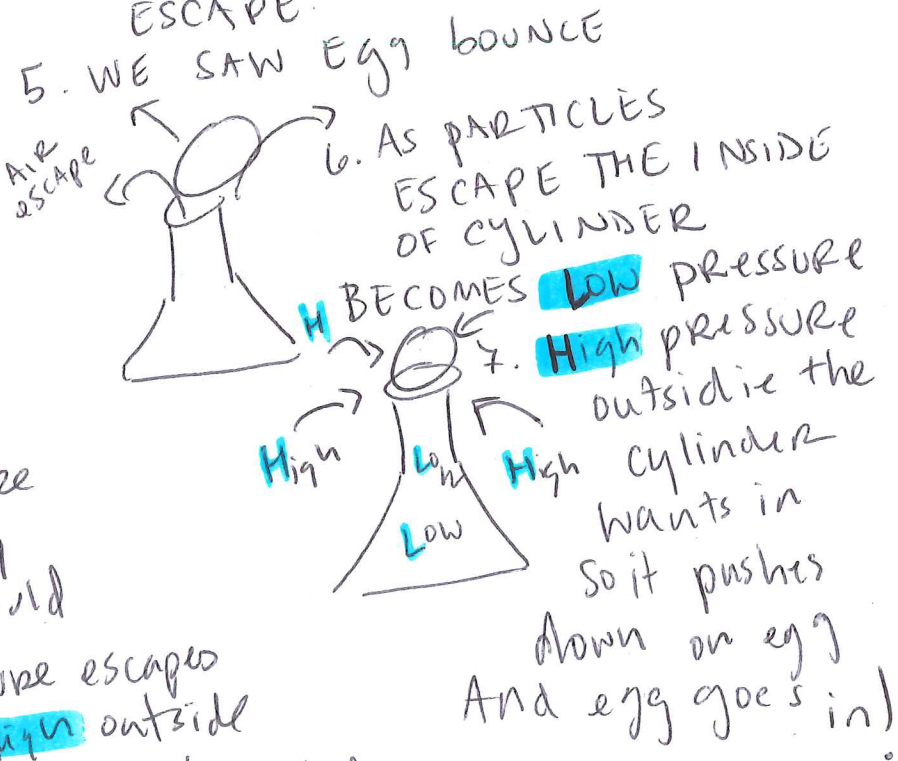


1. added FIRE UNDERNEATH
2. FIRE HEATED UP PARTICLES INSIDE CYL.
3. CAUSING THEM TO MOVE FASTER
4. THIS INCREASES THE PRESSURE INSIDE
5. WOULD HAVE WORKED IF WE HAD MORE FIRE...

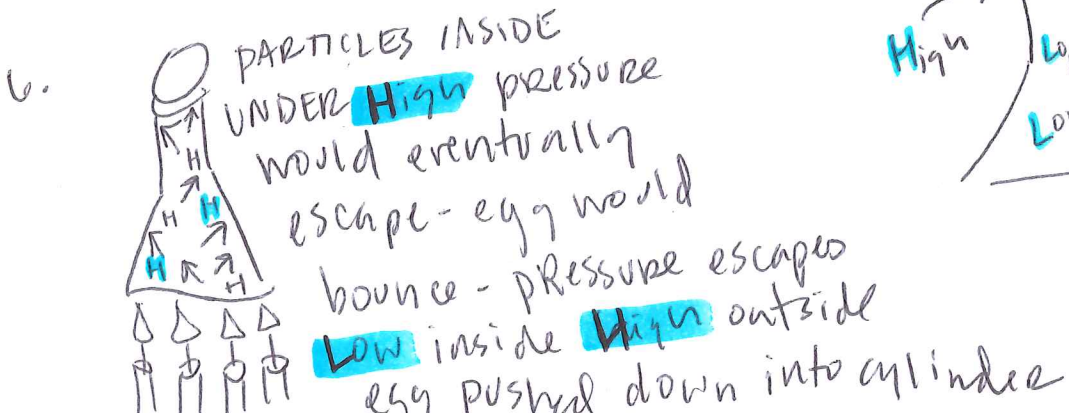
TRY #2



1. Lit paper + put it inside
2. FIRE + PAPER CREATE SMOKE INSIDE AND HEATED PARTICLES
3. INCREASING PRESSURE INSIDE CYLINDER
4. PARTICLES INSIDE UNDER **High** pressure WANT TO ESCAPE.



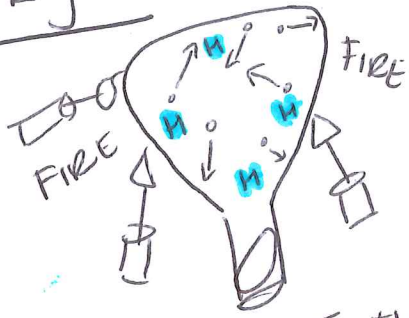
5. WE SAW Egg bounce
6. AS PARTICLES ESCAPE THE INSIDE OF CYLINDER BECOMES **Low** pressure
7. **High** pressure outside the cylinder wants in so it pushes down on egg And egg goes in!



6. PARTICLES INSIDE UNDER **High** pressure would eventually escape - egg would bounce - pressure escapes **Low** inside **High** outside egg pushed down into cylinder

How to get the egg out of the graduated cylinder?

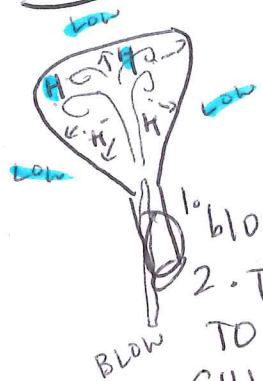
TRY #1



1. ADD FIRE TO THE OUTSIDE OF CYLINDER
2. PARTICLES INSIDE HEAT UP AND MOVE FASTER
3. THIS CREATES **High** pressure inside
4. **High** pressure wants to escape to outside **Low** p
5. PARTICLES PUSH Against egg
6. egg pops out



TRY #2



1. blow into cylinder
2. THIS ADDS AIR + PARTICLES TO THE INSIDE OF THE CYLINDER.
3. MORE PARTICLES INCREASES PRESSURE INSIDE CYLINDER
4. **High** pressure
5. **High** pressure wants to escape so IT PUSHES AGAINST Egg AND Egg pops out!