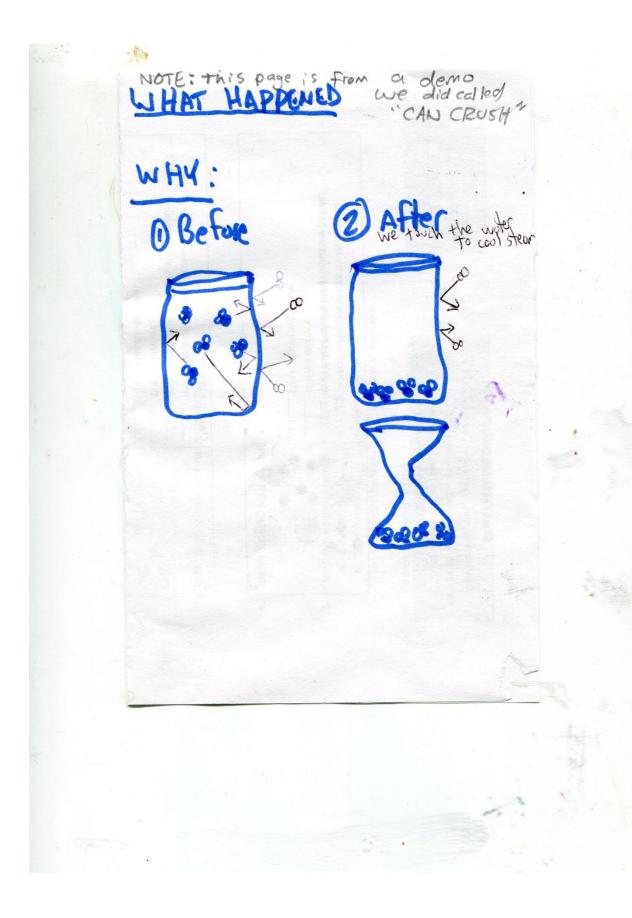
PURPOSE: LAY THE FOUNDATION FOR RELATING ENERGY TO PHASE. ENERGY - anything that can : give a push KINETIC ENERGY - energy from things that are moving A manuel is a example of non-kinetic energy



Inetic Energy temperature (KELVINS) "ABSOLUTE ZERO" "KINETIC ENERGY is excelling proportional to temperature in Kelvins" To convert from Kelving to degrees Celsius, subtract 273 A 300 Kelvins room would be 300-273=27°c

- Na Example Find absolute Zero in Celsius:)K - 273 = -273°C > % of molecules ant of kinetic energy If the right half, evoporates the new average liquid temperature be low.

UNITS of pressure for this room: these are all equal possure 1.0 "atmosphere" (atm) 101000 "pascals" (Pa) 760 millimeters of mercury (mm Hg) 101.000 the kiloposculs (kPa)

Name several forms of energy in each drawing. Bonus: name at least one form of energy in each which is NOT kinetic energy (challenging!)



Electric Kettle



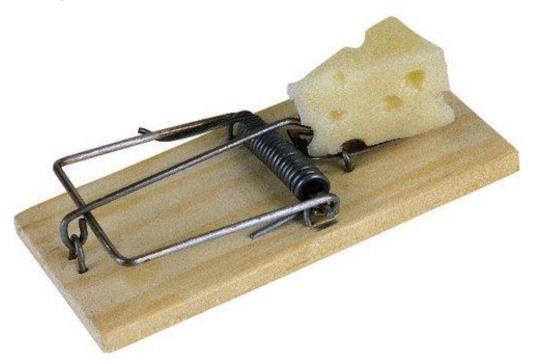
Traffic accident



Battery powered helicopter



mousetrap





Balloon blown up too far