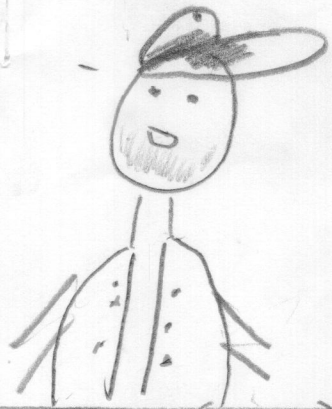


Attention Soldiers
Wake up!



Yes Sir



Do you 3 have
what it takes to
be the Champion
of this Science
Camp



At the end of
this period
you will
be given
a test
about
particle
theory



Well that's
what I'm going
to
teach
you

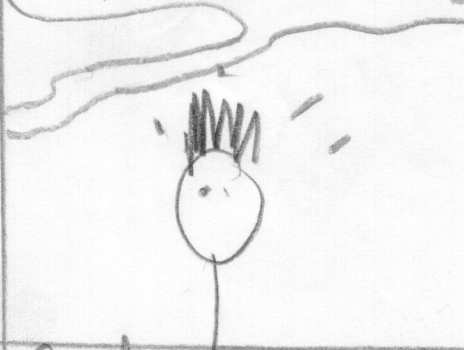


5 hours
later

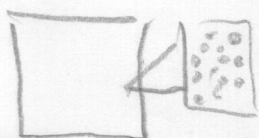
Okay now I will
ask you questions
about
particle
theory



Bob what is
a particle theory



well if you take
an ice cube it's
made up of tiny
particles. Everything



An ice cube is a
solid, a water is
liquid and when the
water evaporates in a
ice cube it's gas



Good now Mike
explain
6 ways
how heat
is produced



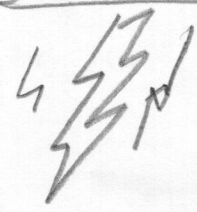
1. Heat is produced by the Sun



2. Earth



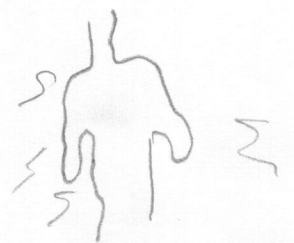
3. Electricity



4. Fire



5. Body heat

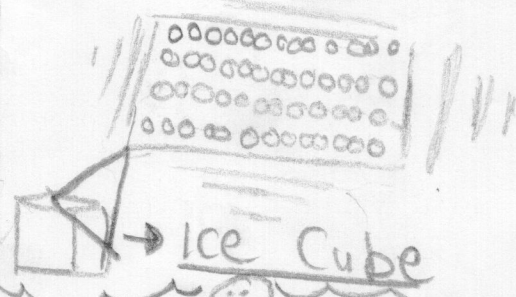


6. Saliva OR Friction
Body Fluid

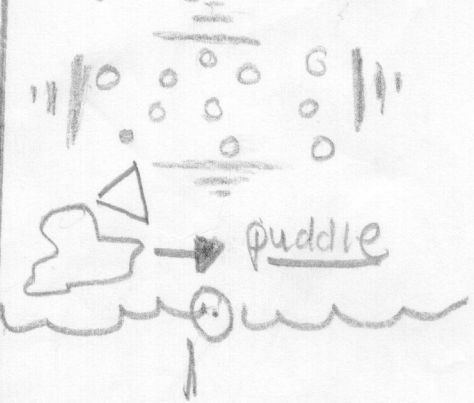
Good, now Dan explain about the particles in a liquid Gas and Solid



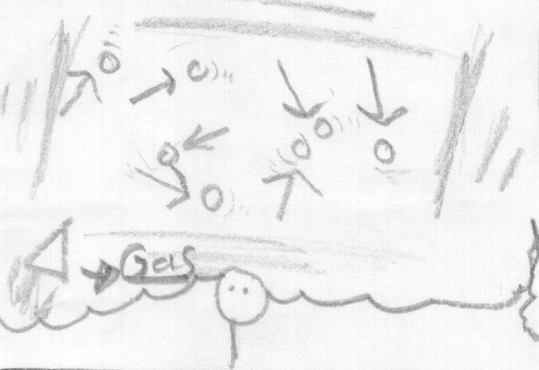
In a Solid the particles move very slowly



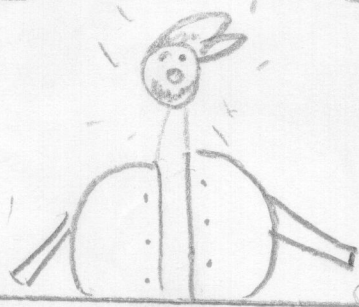
In a liquid the particles move slightly faster



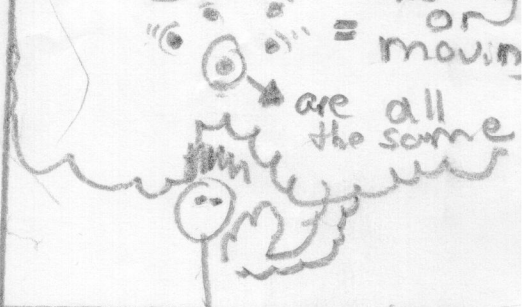
In a Gas the particles move way faster



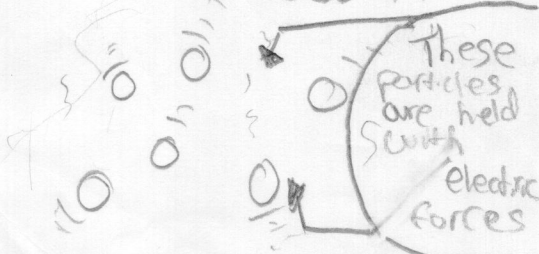
Good, now Bob explain the rest of the Particle theory



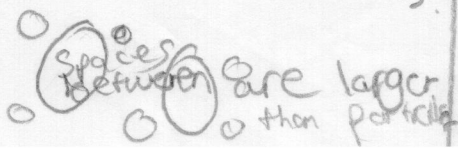
In an Ice cube all particles are in all motion and are all the same



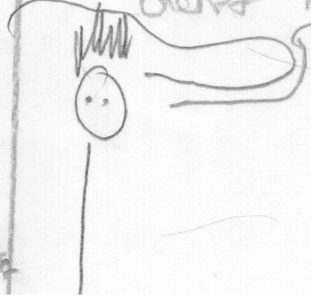
Particles in a ice cube are held with strong electric forces, but we can't see it



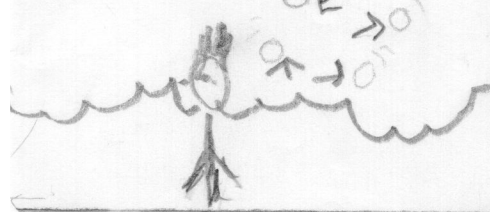
If you use a microscope you can see there are empty spaces between the particles in a bubble gum that are larger than the particles themselves.



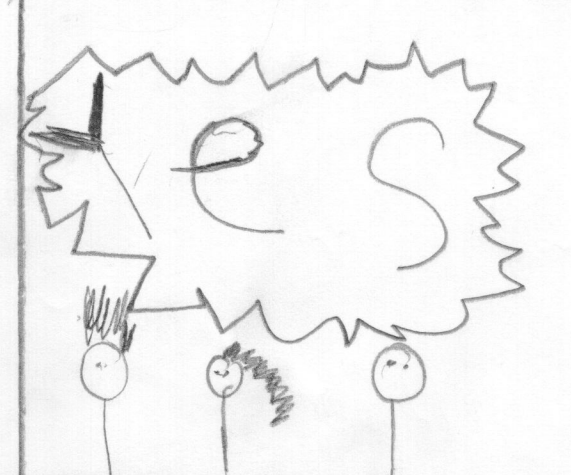
Ice cubes has unique particles that other substances don't have



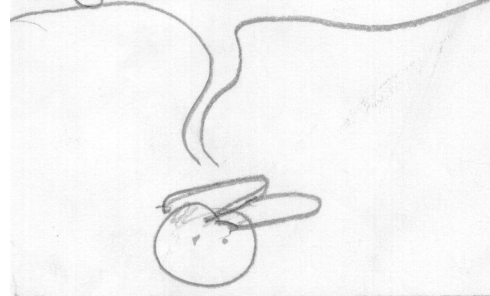
particles in a cube is solid and together but when you add heat the bubble gum's particles expand and move faster



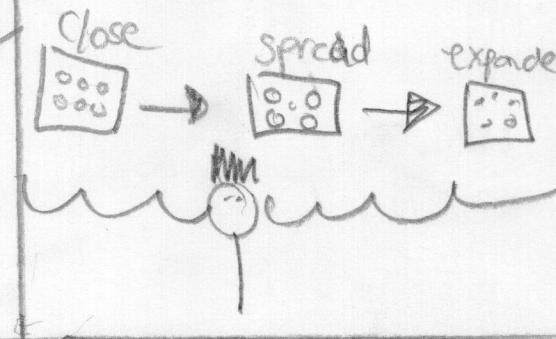
Good, nice job and now the last 2 questions - Are you ready



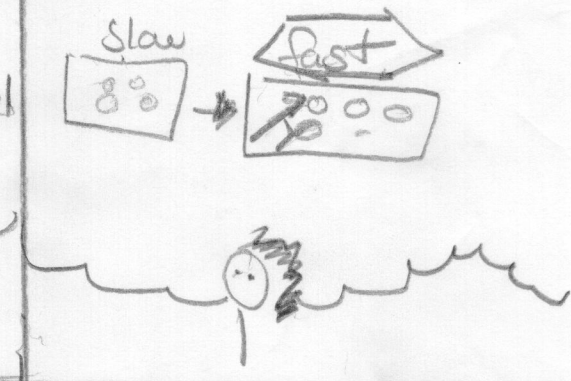
How does heat affect the motion of a particle in a solid, liquid and gas



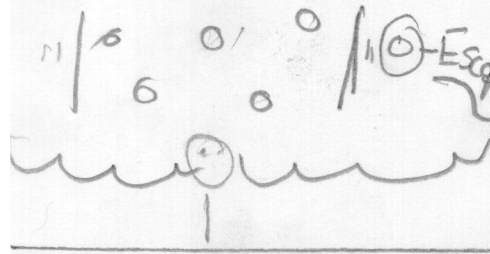
when heat is added to a solid, the particles start to move fast and the spaces between them expand



when heat is added to liquid the particles move faster



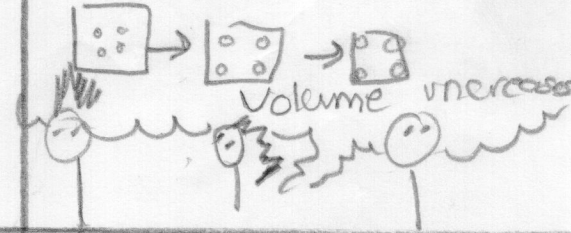
When heat is added to gas, the particles stay the same because that's where the water cycle ends



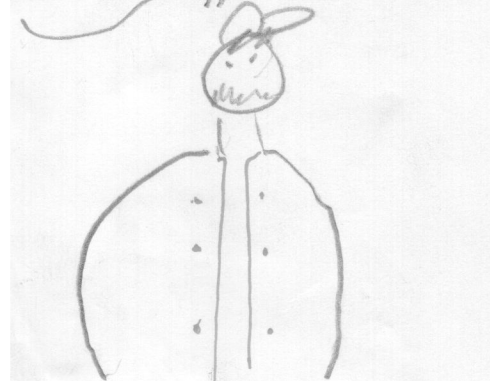
Good, the 2nd question is volume what happens to a volume of a solid when heat is added



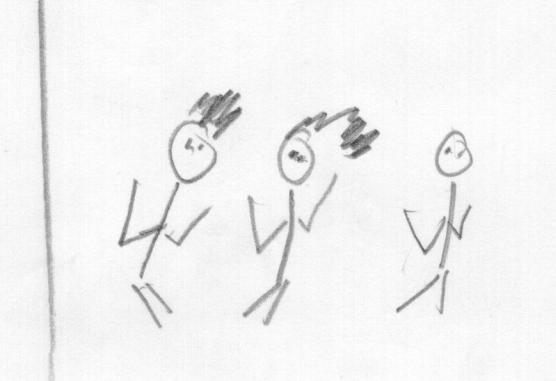
When heat is added to a solid, the volume changes because the space between expand and the volume increases



Nice job you have passed the test



Whooo



The End