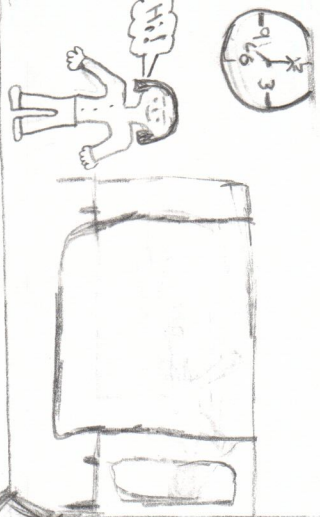
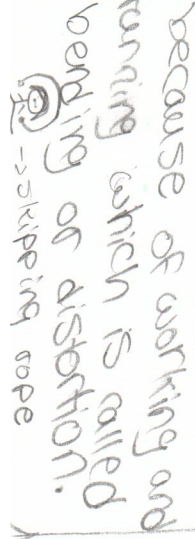


Barbara is a 12 year old girl. She is smart and obviously an early riser. She likes writing everything that happens during a day, especially if that thing relates to science. She'll write everything that relates to science today.



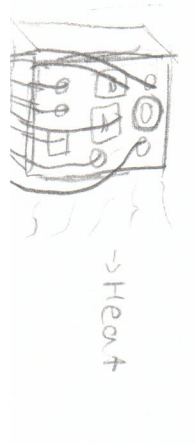
Now I need to do my homework. I used the eraser a lot and then when I touched it, it was really warm, so rubbing is another way of producing heat. After I did all the homework I went outside to play with my friends. I was sweating a lot because of working and running which is called conduction of heat.



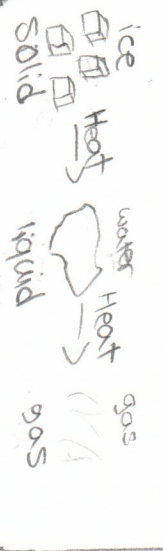
It's Sunday and I have a lot to do today. First I'm going to eat my breakfast. I put some sugar in my tea and I'm using a tea spoon to spread the sugar in the tea. Suddenly the handle of the spoon became warm even though the handle was not in a direct contact with the tea. So I think heat has been conducted from the tea into the spoon.



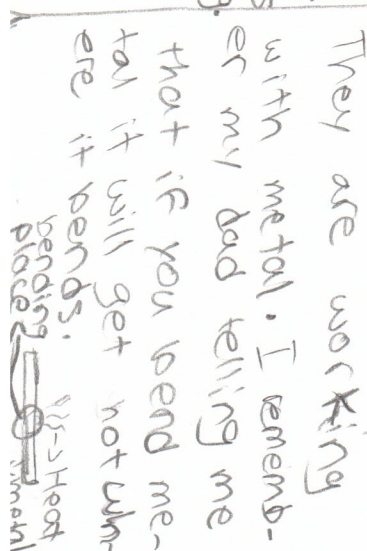
After playing I came in side. I went to turn the lights on but it didn't work, so I went to the yard to check the condenser. It was really hot inside it. I realized that an AC unit makes heat that is dissipated in the condenser. This is a compression of squeezing.



Today is sunny and really hot and I like to eat ice in sunny days. I got some ice and I forgot to put the rest of them back in the freezer. After one hour I came to the kitchen and I saw the ice turned in to water. So that can be a great example of turning a solid into a liquid and that means the particles in water are moving faster and its volume is more than ice.



I came back inside and the lights were on. I was bored at home so I told my mom to go to my dad's factory. We went there. He has a metal factory. They are working with metal. I remember my dad telling me that if you bend metal it will get not when it bends.



From my ice experiment I learned that each substance has unique particles that are different from the particles of other substances, but the particles of every substance are in constant motion and the particles of one substance are identical. I also learned that there are empty spaces between the particles of a matter.



My father also told me that if you beat on metal it will get warm but not very fast.

When we came back home I organized my notes to give it to my science teacher.

