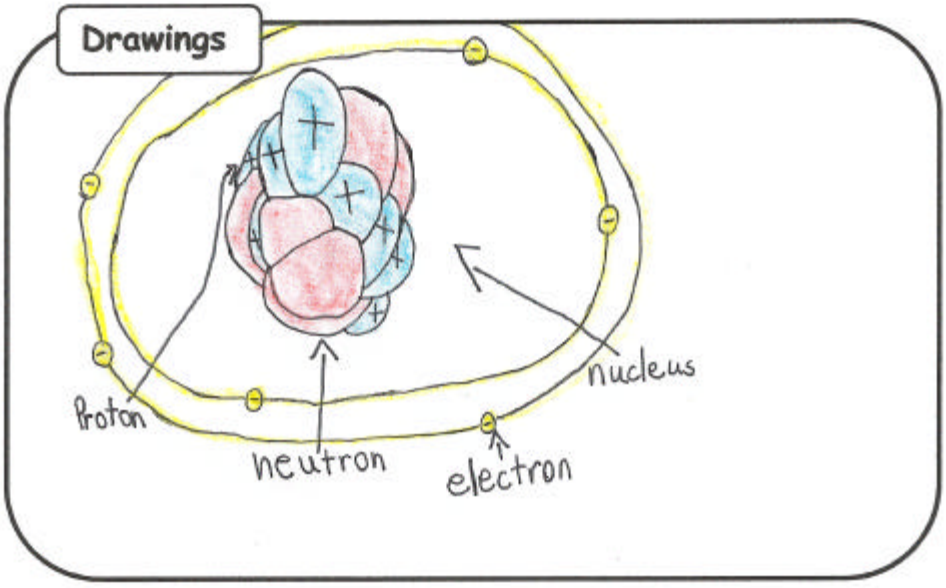
The following three pages are samples copied from a science notebook of a nine-year-old that is using our Chemistry II course. Younger students would orally "narrate" their summaries to an older sibling or adult. Older children should be expected to provide more detailed narrations (summarizations). It is not necessary to complete an experiment sheet for every experiment, especially with younger students. However, it is good to complete them often in order to establish a strong understanding of the scientific method.

Drawings



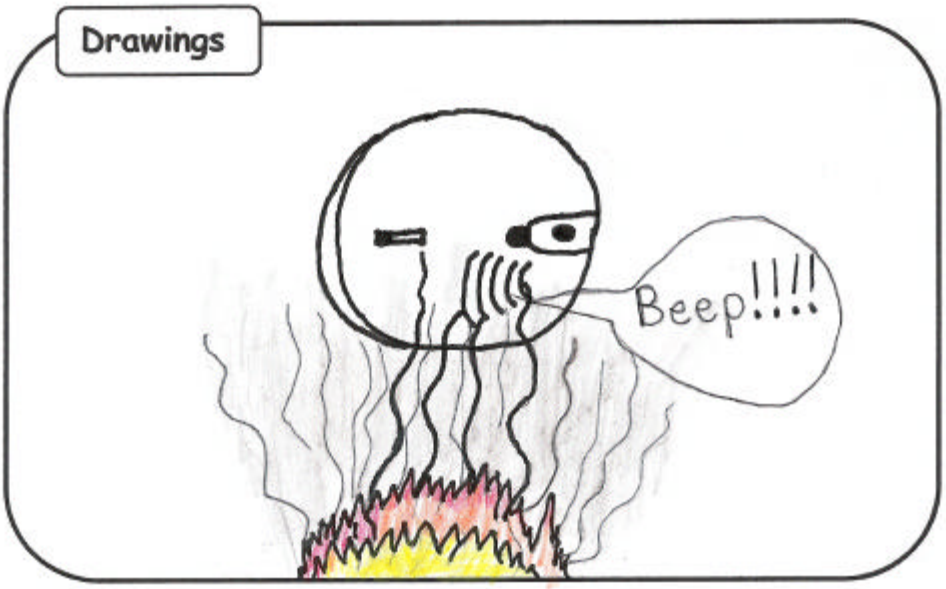
Reading Notes

Atoms are made up of: electrons, neutrons, and protons.
Atoms are tiny particles of what everything is made.

Definitions

nucleus- The core section of an atom that contains protons and neutrons.
neutron- a subtomic particle with no electrical charge in the nucleus of an atom.
Proton- a positively charged subatomic particle in the nucleus of an atom.
electron shells- an energy level around the nucleus.

Drawings



Reading Notes

Today we read about Americium.
Americium is named after America. Americium is found in smoke detectors. It is what makes smoke detectors work.

Definitions

Date 2/2/06

Experiment Name A feast for Yeast

What have you learned about this subject? (observation/research)
That yeast is alive!

What question are you trying to answer? (question)
what happens when you feed sugar to yeast?

What things do you need? (materials)

1. a bottle
2. yeast
3. sugar
4. warm water
5. a balloon
6.
7.
8.

What will you do to answer the question? (experiment/test)
put yeast in a bottle, put in sugar and put a balloon over it.

What do you think will happen? (hypothesis/prediction)
the balloon will blow up with CO_2 that the yeast makes

What happened? (results)
the balloon inflated.

Why do you think this happened? (conclusion)
The balloon catches the CO_2.