## Reading Guide

Name: KOL

Chapter/pages: \

Survey: Read the title, headings, and subheadings. Read the first and last paragraph, or chapter summary. Look at the illustrations and graphics; read the **boldfaced** and *italicized* words and the captions under the pictures.

What topics will I be reading about?

batomic particles mass of atom

how to id an element

m Vocabulary: Place each vocabulary word in the KTU below. These are the bold words found in the reading.

Words I $K_{ m now}$	Words I Think I know	Words I am $oldsymbol{U}$ nsure of	
atomic #			
mass # isotope	avg atomic mass		
150 10 PE			

 $oldsymbol{Q}$  uestion: Write 5 questions about the following: the title, headings and subheadings, illustrations and graphs, and unknown vocabulary words.

- 1- How do upu find the atomic mass of an atom?
- a. Compare & contrast p, n, e.
- 3. How is an element identified?
- 4. Write the symbol, atomic #, p, n, e, and mass for Chbrine.
- 5. What is the difference between C-12 & C-14?

Read: Read to search for information you can use to formulate answers to your questions. After reading each section, write in note form answers to the questions you asked. Put the information into your own

words!	mass	charge	Location
Proton	lamu		nucleus
neutron	lamu	0	nucleus
electron	Damu		cloud around nucleus

What words do I need to look up?

 $R_{ecite}$ : Cover your answer-notes and recite the answers from memory. Slow down and re-read the text for unanswered questions.

Review: Go back to the KTU chart and make changes. (Circle ideas and draw an area to the new column.) Review all of your questions/notes, and summarize them to create cohesive ideas about the whole section or chapter.

Summary of section or chapter:

Atoms are made of 3 subatomic particles: protons, neutrons and electrons. Protons have a mass of I amu, a charge of It, and are found in the nucleus. The humber of protons dotermines the element. Neutrons have a mass of I amu, a charge of O, and are also found in the nucleus. Electrons are much smaller and have a mass of O amu, a charge of I-, and are found in a doud wround the nucleus. Isotopes are atoms of the