

Meet Your Textbook: CHEMISTRY



1. The basics!

- A) _____ What is the copyright© of your edition? (most recent year pub.)
- B) _____ What is your book number?
(copy the #, last 4 digits only, on the PINK barcode)

2. Table of Contents (see pp. iv-xxiii)

- A) _____ Find 2 “teacher reviewers” from West Linn High School

- B) _____ What is the title of chapter 14?
- C) _____ On what page does the chapter titled “States of Matter” begin?
- D) _____ List two of the “CHEMYSTERY” articles listed on p. xv that
you think sound interesting.

- E) _____ List two of the “Chemistry & You” Feature pages listed on
p. xxi that you think sound interesting.

3. Appendices: end-of-the-book resources! (see end of book pages: R42 – R50)

- A) _____ Write the chemical symbol & atomic # of the element “scandium”.
- B) _____ Write the melting point and boiling point for the element Cu.
- C) _____ What is the value for the speed of light (in a vacuum)?
- D) _____ What is the value of Avogadro’s number?
- E) _____ What does the symbol Δ mean?
- F) _____ Write the symbol/formula for **cyanide** and **ammonium**.
(both are **polyatomic ions**)
- G) _____ Summarize Chemistry Safety Practice #1.
- H) _____ Summarize Chemistry Safety Practice #13.

4. Index / Glossary (see end of book pages: R118 – R155)

- A) _____ What does STP stand for?
- B) _____ What are the conditions for STP?
- C) _____ What is a “joule”? How many joules = 1 calorie?
- D) _____ What is the definition for electronegativity?



- E) _____ On what pg. will you find information about “molar volume”?
- F) _____ On what pgs. will you find information about Marie & Pierre Curie?
- G) _____ In what area of chemistry/physics did the Curies work?

5. A “typical chapter”

- A) _____ What is the title of Chapter 17?
- B) _____ What is the title of Section 17.3?
- C) _____ What information does Figure 17.4 show? (read caption & explain)

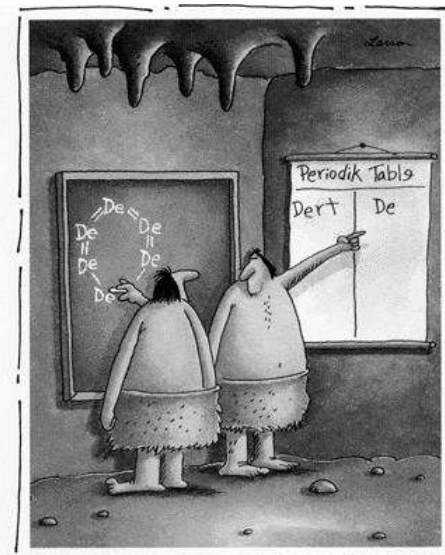
- D) _____ Summarize the chemical concept illustrated in Figure 17.10.
(is this process endothermic or exothermic? explain)
- E) _____ What is meant by “specific heat”?
- F) _____ Explain the difference between MOLAR HEAT OF FUSION and
MOLAR HEAT OF SOLIDIFICATION.

6. A “typical chapter”

- A) _____ What is the title of Chapter 4?
- B) _____ What is the title of Section 4.2?
- C) _____ What information does Figure 4.9 show?
- D) _____ What is meant by “mass number”?
- E) _____ Explain the difference between PROTONS and NEUTRONS.



NOTE: The publishers of modern textbooks make extensive use of visuals, so study the pictures and read the captions! The pictures can be helpful in illustrating concepts.



Early chemists describe the first dirt molecule.