

Teacher(s): Rachel Belser

Time: 8:00 AM

The

Course Organizer

Student:

Course Dates: 7/18/22

① THIS COURSE: Chemistry I Honors

is
about

the properties, composition, and structure of matter
how it can change and the
energy that is released or absorbed when it does
change.

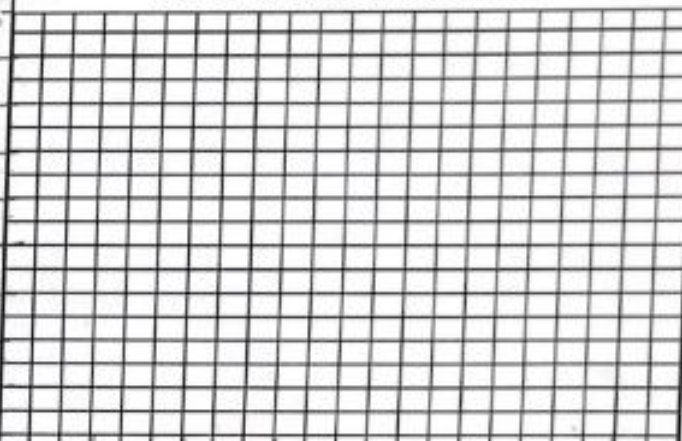
○ COURSE QUESTIONS:

1. Why is Chemistry called the "Central" science?
2. How are matter and changes of matter described and classified?
3. What are atoms and what are the properties of subatomic particles?
4. Why is the study of electrons so important in Chemistry?
5. How does the periodic table illustrate the trends in the physical and chemical properties of the elements. Describe some ways you have used this valuable tool this year.
6. Explain ionic, metallic, & covalent bonding in terms of what happens to the electrons.
7. Compare and contrast the properties of ionic compounds, covalent compounds, and metals. (Use your answer to #6 to help you answer this)
8. What are the different ways in which chemical reactions transform reactants into products?
9. How do scientists determine the amounts of reactants consumed and products formed during chemical reactions?

COURSE STANDARDS

What?	How?	Value?
Tests	Unit Tests	40%
Labs	Lab reports	25%
Classwork/HW	Daily work	25%
Notebook	1 Grade each 9 wks	10%

COURSE PROGRESS GRAPH



Unit I Unit II Unit III Unit IV Unit V Unit VI Unit VII Unit VIII Unit IX Unit X Unit XI Unit XII

1. Tests
2. Labs
3. HW/cw

COURSE MAP

This course:

Chemistry I

Student:

includes

○ COMMUNITY PRINCIPLES

Respect
Teamwork
Encouragement
Effort

○ LEARNING RITUALS

Bellringer
Notebook
Unit Organizer
Notes
Graphic Organizer

Cue, Do, Review
Quizlet
Lab Activities
Scientific Method

○ PERFORMANCE OPTIONS

Extended work time
Mastery at 75% or redo the assignment
Individual accommodations
- Alternative work areas
- Lab Reports

○ CRITICAL CONCEPTS

Matter
Atoms
Bonding
Nature of science

Physical States
Physical changes
Chemical reactions

Stoichiometry
Periodic Law
ions + molecules

○ Learned in these UNITS

Chemistry - The Central Science

The Math of Chemistry

Matter - Properties & changes

The Structure of the Atom

Electrons in Atoms

The Periodic Table

Ionic Compounds & Metals

Covalent compounds

Chemical Reactions

Stoichiometry