

**Test Design Blueprint**Date 12/29/14

Chemistry II Honors      2003360      11  
Course Title      Course Number      Grade(s)

Main Idea (Big Idea/Domain/Strand/Standard)	Standard Code	Percent of Test Based on Time Devoted to Standard	Number of Test Questions (60 total)
Scientific Method	SC.912.N.1.1	5%	3
What characterizes science and its methods.	SC.912.N.1.2	1%	1
Explain the data that is presented.	SC.912.N.1.3	1%	1
Similar investigations produce similar outcomes.	SC.912.N.1.5	1%	1
Creativity in constructing scientific questions, methods, and explanations.	SC.912.N.1.7	1%	1
Scientific theory is an explanation.	SC.912.N.3.1	1%	1
Scientific law	SC.912.N.3.3	2%	1
Difference between the scientific theory and scientific law.	SC.912.N.3.4	1%	1
Scientific knowledge informs society on how to make decisions.	SC.912.N.4.1	2%	1
Carbon compounds and their properties.	SC.912.P.8.12	7%	5
Functional Groups	SC.912.P.8.13	4%	2
Natural resources and rates of use and renewal.	SC.912.L.17.19	2%	1
Prediction of impact on the environment.	SC.912.L.17.20	5%	3
Assess effectiveness of innovative methods for protecting the environment.	SC.912.L.17.17	4%	2
Four major categories of biological macromolecules.	SC.912.L.18.1	3%	2
Structures of proteins and amino acids. Function of enzymes.	SC.912.L.18.4	3%	2
Enzymes and catalysts.	SC.912.L.18.11	6%	3
Structure of sugars.	SC.912.L.18.2	2%	1
Structure of fats, fatty acids, and steroids, their function and how it relates to the cell membrane.	SC.912.L.18.3	1%	1

Inferences are drawn from scientific observation.	SC.912.N.1.6	4%	2
Consensus and how it is used to develop a theory.	SC.912.N.3.2	3%	1
Standards of scientific investigation being used to assess the validity of a source.	SC.912.N.1.4	2%	1
.Function of models in science.	SC.912.N.3.5	5%	3
Potential Energy diagrams.	SC.912.P.10.6	8%	5
Properties of water and how it affects life on earth.	SC.912.L.18.12	3%	2
Entropy	SC.912.P.10.8	5%	3
A scientists background may influence his interpretation of scientific events.	SC.912.N.2.5	2%	1
Scientific knowledge is open to change.	SC.912.N.2.4	1%	1
Oxidation and reduction reactions.	SC.912.P.8.10	4%	2
Relate science to art, philosophy, and religion.	SC.912.N.2.2	2%	1
What is science?	SC.912.N.2.1	3%	1
Alternative strategies for solving societal issues using science and the cost benefit to them.	SC.912N.4.2	5%	3
Recognizing pseudoscience.	SC.912.N.2.3	1%	1

TOTALS

100 %

60

List All Common Course Teachers:

\_\_\_\_\_ Wendy Reister \_\_\_\_\_

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