

TEXTBOOK SELECTION AND ADOPTION FORMVital InformationTitle Chemistry A Molecular Approach AP Edition Price \$185.99Material (check one): ☒ Major text series ☐ Supplementary materialInstructional Course for which material will be used: AP ChemistryAuthor: Nivaldo J. Tro Publisher: Prentice HallPlace of Publication: New YorkYear of Publication: 2014 Edition: AP 3eCurrent Text: Chemistry and Chemical Reactivity Year of Adoption: 1996

Please score each item 1 – 3 points. 1 = Poor 2 = Fair 3 = Excellent
If an item is not applicable, please mark N/A.

Please provide evidence and/or comments for each indicator.

Section A

Understanding: Content / Standards	Evidence / Comments	Points (1-3)
The materials support big ideas and/or essential questions that are aligned to the department/course curriculum.	College Board certified	3
The content addresses district, state and national standards.	College Board certified	3
The content flows in a logical progression appropriate for this course--from simple to complex, chronological, topical, etc.	College Board certified	3
Subtotal		<u>9</u>

Section A (continued)

Understanding: Critical Thinking / Assessment	Evidence / Comments	Points (1-3)
The content, including illustrations and examples, presents ethnic and gender diversity.	College Board certified	3
The materials require learners to be thoughtful, reflective and use high level skills.	College Board certified	3
The materials include valid and varied assessments-both traditional and performance based.	College Board certified	3
The assessment tools encourage both assessment of learning and assessment for learning to document student progress and achievement	College Board certified	3
The content develops critical 21 st century skills which will enable students to effectively participate in a global society.	College Board certified	3

Subtotal15

Understanding: Integration / Differentiation	Evidence / Comments	Points (1-3)
Materials and activities are differentiated to address the diverse abilities, interests and needs of students.	College Board certified	3
The materials include interdisciplinary connections and allow for application of skills to promote lifelong learning.	College Board certified	3
The materials reflect a “developmentally appropriate” approach to student learning.	College Board certified	3
Outside experiences, including family involvement, are part of the learning experience.	College Board certified	3

Subtotal12**Total Points for Section A**36

Section B

Pre-Reading: Background Knowledge	Evidence / Comments	Points (1-3)
Chapter introductions help students relate their own life experiences and previously learned information to the topic.	College Board certified	3
The materials build on the students' prior knowledge within the chapter subsections.	College Board certified	3

Subtotal 6

Pre-Reading: Purpose Setting	Evidence / Comments	Points (1-3)
Chapters begin with a list of objective statements or essential questions indicating what students will learn.	College Board certified	3
Section headings are specific enough so that students can convert them to focus questions which direct their reading.	College Board certified	3

Subtotal 6

Total Points for Section B 12

Section C

Active Reading: Main Ideas	Evidence / Comments	Points (1-3)
Titles of sections within the chapter indicate the main idea of each section.	College Board certified	3
The main idea of each paragraph is clearly stated and easy to locate.	College Board certified	3

Subtotal 6

Section C (continued)

Active Reading: Supporting Main Ideas	Evidence / Comments	Points (1-3)
Main idea explanations are thorough.	College Board certified	3
Charts, pictures and other graphics support the main ideas and are appropriately located.	College Board certified	3
Interesting details are included to expand on the essential information in the text and to engage students.	College Board certified	3

Subtotal 8

Active Reading: Organization of Information	Evidence / Comments	Points (1-3)
The text is organized logically, so students can easily take notes.	College Board certified	3
Signal words are provided to indicate how ideas in the section are related to one another.	College Board certified	3
The presentation of main ideas and details is consistent in each chapter.	College Board certified	3

Subtotal 9

Active Reading: Vocabulary Development	Evidence / Comments	Points (1-3)
Important words/concepts are highlighted in the text (bold, italics, color).	College Board certified	3
Important words/concepts are clearly defined or explained within the reading.	College Board certified	3
Concrete examples or analogies are included to clarify abstract ideas.	College Board certified	3

Section C (continued)

The author provides more than just a definition (e.g. pictures, examples, analogies, counter examples).	College Board certified	3
The number of highlighted vocabulary terms is appropriate for the concepts being explained. (Avoid too much jargon!)	College Board certified	3
Subtotal		<u>15</u>

Active Reading: Author's Writing/Student Engagement	Evidence / Comments	Points (1-3)
The author's style engages students— sentence structure is varied and not overly complex, verbs are mostly in the active voice.	College Board certified	3
The author uses imagery and concrete examples to help students visualize information.	College Board certified	3
Subtotal		<u>6</u>
Total Points for Section C		<u>45</u>

Section D

Post Reading: Metacognition	Evidence / Comments	Points (1-3)
The author provides quality questions within and at the end of each chapter. They correlate to the chapter objectives, help students check their understanding as they read, encourage higher order thinking, and promote class or small group discussions.	College Board certified	3

Section D (continued)

Signal words are provided to indicate how ideas in the section are related to one another.	College Board certified	3
The summary accurately reflects the main ideas and key supporting information within the chapter.	College Board certified	3

Total Points for Section D 9

Section E

Teacher's Guide and other Resources	Evidence / Comments	Points (1-3)
The teacher's guide includes activities for helping students to organize information, to lead their own discussions, and to work in cooperative groups.	College Board certified	3
The materials and instructional plans are well organized and easy to use (teacher friendly).	College Board certified	3

Total Points for Section E 6

Section F

Ancillary Materials* for Students	Evidence / Comments	Points (1-3)
Ancillary materials expand knowledge of content by focusing on essential ideas.	N/A	
Ancillary materials meet the varying individual needs of students.	N/A	
Ancillary materials incorporate state of the art technology resources to facilitate teacher use and support student learning.	N/A	

*Workbooks, blackline masters, skill sheets, CDs, videos, DVDs, multi-level libraries, and primary resource documents.

Total Points for Section F 0

Total Points Section A = 36Total Points Section B = 12Total Points Section C = 45Total Points Section D = 9Total Points Section E = 6

Total Points Section F = _____

Total Points for Text

108

Final Recommendation and explanation:

Of the small number of chemistry books that are certified by the College Board, this is the only text that has been fully updated to meet the requirements and of the new AP Chemistry curriculum framework. Without such a textbook, the College Board course audits will be denied.

Submitted by:

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Teacher	School	Date
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_____ Teacher	_____ School	_____ Date
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