

HIGH SCHOOL PHYSICAL SCIENCE B
Course Outline: 4306

I. Textbook Assignment Options:

A. *Science Insights: Exploring Matter and Energy*, Part I (5.0 credits)

- Read: Chapters 13-25.
- Complete: Questions 1 and 2 in all “Check and Explain” exercises.
- Complete: “Chapter Review” exercises (Omit: Make Connections)
- Complete one Extension Activity listed below.

B. *Glencoe Physical Science*, Part I (5.0 credits)

- Read: Chapters 12-25.
- Complete: “Section Review” Questions 1 and 2.
- Complete the following Chapter “Review” exercises:
 - a. “Reviewing Vocabulary”
 - b. “Checking Concepts”
 - c. “Understanding Concepts”
 - d. “Thinking Critically”
- Complete one Extension Activity listed below.

C. *Exploring Matter and Energy: Physical Science*, Part I (5.0 Credits)

- Read: Chapters 12-23.
- Complete: “Section Review” Definition Exercises.
- Complete the following “Chapter Review” exercises:
 - a. “Building Vocabulary”
 - b. “Summarizing”
 - c. “Interpreting Information”
 - d. “Think and Discuss”
 - e. “Competency Review”
- Complete one Extension Activity listed below.

D. *Science Interactions*, Part II (1.0-5.0 credits: direct instruction or course contract required)

E. *Conceptual Physical Science*, Part II (1.0-5.0 credits: direct instruction or course contract required)

II. Extension Activity Options:

1. Draw a computer graphics picture of how five separate pairs of elements bond with each other when they meet. Show at least two kinds of bonds. Include a caption telling what the new chemical is that each pair makes.
2. Create a PowerPoint presentation that includes at least ten slides that depict what happens during three different chemical reactions.

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3. Use the Internet to research endothermic and exothermic reactions. Write a 1-page essay based upon your research. Using a search engine such as Yahoo.com, and the search terms of “endothermic and exothermic,” you will find a supply of information. Use Writing Rubric Exp. H.S.
4. Teacher generated activity, approved by the site administrator.

III. Evaluation

- See your teacher for a unit test.
- All Writing assignments must meet the proficient level of the rubric provided by the teacher.
- All textbook work must meet 70% accuracy level for a “C” grade.