



31.1 Lesson Plans

KEY

SE = Student Edition, TWE = Teacher Wraparound Edition, TCR = Teacher Classroom Resources, STVS = Science and Technology Videodisc Series, PCA = Physics for the Computer Age

Holding the Nucleus Together

Section Objectives

- _____ Define binding energy of the nucleus.
- _____ **Relate** the energy released in a nuclear reaction to the change in binding energy during the reaction.

National Science Content Standards UCP.2, UCP.3, A.1, A.2, E.1, F.6, G.3

Georgia QCC 1, 23, 23.1, 23.2, 24.3, 24.4
Schedule

Block schedule: optional lesson
Single-period schedule: 2 sessions




Focus

-  Focus Strategy, TWE p. 718

Teach

- | | |
|---|--|
|  Pocket Lab, SE p. 719 |  Physics Lab and Pocket Lab Worksheets, p. 167, TCR |
| _____ Help Wanted, SE p. 721 | |
|  Quick Demos, TWE pp. 717, 721 |  Laboratory Manual, Lab 31.1, TCR |
|  Demonstration 31-1, TWE pp. 718–719 | _____ Spanish Resources, TCR |
| _____ Graphing Calculators in the Science Classroom | |

Assess/Reteach

- | | |
|---|---|
|  Section Review, SE p. 721 |  Study Guide, pp. 181–182, TCR |
| _____ Checking for Understanding, TWE p. 721 | _____ Supplemental Problems, TCR |
|  Reteaching, TWE p. 721 | |

Enrichment/Application

-  Extension, TWE p. 721

Close

-  Closing Strategy, TWE p. 721

Chapter Assessment

- | | |
|---|---|
| _____ Assessment, TWE p. 720 | _____ Performance Assessment in the Science Classroom |
| _____ Alternate Assessment in the Science Classroom | |

Multimedia Options

- | | |
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|  Videotape: MindJogger Videoquizzes |  Videodisc: STVS Chemistry, Disc 2, Side 2, Ch. 3 |
|  Videotape: The Mechanical Universe, Quad 7 | _____ TestCheck Software |