

28.1 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

The Bohr Model of the Atom

Section Objectives

- _____ Explain the structure of the atom.
- _____ **Distinguish** continuous spectra from line spectra.
- _____ **Contrast** emission and absorption spectra.
- _____ **Solve** problems using the orbital radius and energy-level equations.

National Science Content Standards UCP.1, UCP.2, UCP.3, A.1, A.2, B.1, B.2, B.4, F.6, G.3
Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 21, 21.1, 21.2, 24.1, 24.3, 24.4








Schedule

Block schedule: optional lesson
 Single-period schedule: 3 sessions





Focus

-  _____ Discrepant Event, TWE p. 646

Teach

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| <ul style="list-style-type: none">  _____ Pocket Lab, SE p. 652  _____ Physics Lab, SE p. 656  _____ Quick Demos, TWE pp. 645, 647, 651 _____ Applying Physics, TWE p. 649 _____ Connections to Astronomy, TWE p. 649 _____ Physics Journal, TWE pp. 650, 654  _____ Demonstration 28-1, TWE pp. 652–653 | <ul style="list-style-type: none">  _____ Transparencies 50, 51 Masters and Worksheets, pp. 109–112, TCR  _____ Physics Lab and Pocket Lab Worksheets, pp. 151–153, TCR  _____ Laboratory Manual, Lab 28.1, TCR _____ Spanish Resources, TCR |
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Assess/Reteach

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| <ul style="list-style-type: none">  _____ Section Review, SE p. 657 _____ Checking for Understanding, TWE p. 655  _____ Reteaching, TWE p. 655 | <ul style="list-style-type: none">  _____ Study Guide, pp. 163–165, TCR  _____ Reteaching, p. 36, TCR _____ Supplemental Problems, TCR |
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Enrichment/Application

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| <ul style="list-style-type: none"> _____ Enrichment, TWE p. 649 _____ Cultural Diversity, TWE p. 650  _____ Extension, TWE p. 655 | <ul style="list-style-type: none"> _____ Critical Thinking, p. 35, TCR _____ Enrichment, pp. 55–56, TCR |
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Close

-  _____ Activity, TWE p. 657

Chapter Assessment

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| <ul style="list-style-type: none"> _____ Assessment, TWE pp. 649, 652, 653 _____ Alternate Assessment in the Science Classroom | <ul style="list-style-type: none"> _____ Performance Assessment in the Science Classroom |
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Multimedia Options

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| <ul style="list-style-type: none">  _____ Videotape: MindJogger Videoquizzes  _____ Videotape: The Mechanical Universe, Quad 7 _____ TestCheck Software | <ul style="list-style-type: none">  _____ Videodisc: STVS Physics, Disc 1, Side 1, Chs. 13, 14, 15, 20; Disc 2, Side 1, Ch. 4 |
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