



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 Fluid States

Section Objectives

- _____ Describe how fluids create pressure and relate Pascal's principle to some everyday occurrences.
- _____ Apply Archimedes' and Bernoulli's principles.
- _____ Explain how forces within liquids cause surface tension and capillary action, and relate the kinetic model to evaporation and condensation.

National Science Content Standards UCP.1, UCP.2, UCP.3, A.1, A.2, B.2, B.5, C.3, G.1, G.3
Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 8.1, 24.1, 24.3, 24.4, 24.5, 24.6, 24.7, 24.9, 24.10

Schedule

Block schedule: 2 sessions
 Single-period schedule: 3 sessions

Focus

- _____ Discrepant Event, TWE p. 300

Teach

- _____ Pocket Labs, SE pp. 303, 311
- _____ Physics Lab, SE p. 308
- _____ Chemistry Connection, SE p. 312
- _____ Quick Demos, TWE pp. 299, 301, 302, 305, 306, 309, 312, 313
- _____ Physics Journal, TWE pp. 303, 311
- _____ Demonstration 13-1, TWE pp. 304–305
- _____ Applying Physics, TWE pp. 306, 311
- _____ Tech Prep, TWE p. 306
- _____ Connections to History, TWE p. 312
- _____ Transparency 20 Master and Worksheet, pp. 41–42, TCR
- _____ Physics Lab and Pocket Lab Worksheets, pp. 63–66, TCR
- _____ Laboratory Manual, Lab 13.1, TCR
- _____ Spanish Resources, TCR

Assess/Reteach

- _____ Section Review, SE p. 313
- _____ Checking for Understanding, TWE p. 312
- _____ Reteaching, TWE p. 313
- _____ Study Guide, pp. 73–76, TCR
- _____ Reteaching, pp. 17–18, TCR
- _____ Supplemental Problems, TCR

Enrichment/Application

- _____ Enrichment, TWE p. 306
- _____ Cultural Diversity, TWE p. 310
- _____ Extension, TWE p. 313
- _____ Enrichment, p. 25, TCR

Close

- _____ Closing Strategy, TWE p. 313

Chapter Assessment

- _____ Assessment, TWE pp. 303, 307, 311
- _____ Alternate Assessment in the Science Classroom
- _____ Performance Assessment in the Science Classroom

Multimedia Options

- _____ **Videotape:** MindJogger Videoquizzes
- _____ **Videotape:** The Mechanical Universe, Quad 4
- _____ **Videodisc:** STVS Physics, Disc 1, Side 1, Ch. 5; Side 2, Chs. 6–10
- _____ **TestCheck Software**

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