

# Lesson Plan

# 30.1

# Fishes

pp. 816–826

1 1/2 class session(s)



**KEY:** SE = Student Edition, TWE = Teacher Wraparound Edition, TCR = Teacher Classroom Resources, NGS = National Geographic Society videodisc, BDOL = Biology: The Dynamics of Life

## Section Objectives

- **Relate** the structural adaptations of fishes to their environments.
- **Compare and contrast** the adaptations of the different groups of fishes.
- **Interpret** the phylogeny of fishes.

## National Science Content Standards

UCP.1–5; A.1, A.2; C.3, C.5, C.6; F.4, F.5; G.3

## Georgia QCC

1.1, 1.2, 2.1, 21.1, 21.2, 21.3

## Focus

Section Focus Transparency 73 and Master Getting Started Demo, TWE p. 816  
Bellringer, TWE p. 817

## Teach

\_\_\_\_\_ MiniLab 30-1, SE p. 818  
\_\_\_\_\_ Problem-Solving Lab 30-1, SE p. 820  
\_\_\_\_\_ Inside Story, SE p. 825  
\_\_\_\_\_ Cultural Diversity, TWE p. 819  
\_\_\_\_\_ Quick Demo, TWE pp. 821, 822  
\_\_\_\_\_ Alternative Lab, TWE p. 822  
\_\_\_\_\_ Biology Journal, TWE p. 824  
\_\_\_\_\_ Portfolio, TWE p. 824

\_\_\_\_\_ *Concept Mapping*, p. 30 TCR  
\_\_\_\_\_ *BioLab and MiniLab Worksheets*, pp. 133–134 TCR  
\_\_\_\_\_ *Laboratory Manual*, pp. 211–212 TCR  
\_\_\_\_\_ Basic Concepts Transparencies 52, 53 and Masters  
\_\_\_\_\_ *Spanish Resources*

## Assess/Reteach

\_\_\_\_\_ Section Assessment, SE p. 826  
\_\_\_\_\_ Check for Understanding, TWE p. 825  
\_\_\_\_\_ Reteach, TWE p. 825

\_\_\_\_\_ *Reinforcement and Study Guide*, pp. 133–134 TCR  
\_\_\_\_\_ *Content Mastery*, pp. 149–150, 152 TCR

## Enrichment/Application

\_\_\_\_\_ Project, TWE p. 820  
\_\_\_\_\_ Enrichment, TWE p. 823

\_\_\_\_\_ Extension, TWE p. 826  
\_\_\_\_\_ *Tech Prep Applications*, pp. 37–38 TCR

## Close

\_\_\_\_\_ Discussion, TWE p. 826

## Chapter Assessment

\_\_\_\_\_ Assessment, TWE pp. 818, 820, 823, 824, 826  
\_\_\_\_\_ *Performance Assessment in the Biology Classroom*, TCR  
\_\_\_\_\_ *Alternate Assessment in the Science Classroom*, TCR

## Multimedia Options

\_\_\_\_\_ **BDOL CD-ROM** Section 30.1 Summary; BioQuest: *Biodiversity Park*; Exploration: *The Five Kingdoms*; Video: *Salmon Migration, Schooling*  
\_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 30 videotape  
\_\_\_\_\_ **ExamView®Pro Software**, Ch. 30  
\_\_\_\_\_ **BDOL Videodisc**: *Fish Schooling*

\_\_\_\_\_ **Videodisc**: *The Secret of Life*: Fish Gills, Chordate Body Plan  
\_\_\_\_\_ **NGS Videodisc**: *GTV: Planetary Manager Using the Internet in the Science Classroom*, TCR  
\_\_\_\_\_ Glencoe Science Web Site:  
[ga.science.glencoe.com](http://ga.science.glencoe.com)



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## Section Objectives

- **Relate** the demands of a terrestrial environment to the adaptations of amphibians.
- **Relate** the evolution of the three-chambered heart to the amphibian lifestyle.

## National Science Content Standards

UCP.1–5; A.1, A.2; C.3, C.5, C.6; E.1, E.2; F.4–6

## Georgia QCC

1.1, 1.2, 1.3, 1.4, 2.1, 3.2, 12.1, 21.1, 21.2, 21.3

## Focus

Section Focus Transparency 74 and Master Bellringer, TWE p. 827

## Teach

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|---|--|
| _____ Inside Story, SE p. 828           | _____ <i>Concept Mapping</i> , p. 30 TCR                     |
| _____ MiniLab 30-2, SE p. 830           | _____ <i>Inside Story Poster</i> ; TCR                       |
| _____ Investigate BioLab, SE p. 834     | _____ <i>BioLab and MiniLab Worksheets</i> , pp. 135–138 TCR |
| _____ Chemistry Connection, SE p. 836   | _____ <i>Laboratory Manual</i> , pp. 213–218 TCR             |
| _____ Biology Journal, TWE pp. 829, 832 | _____ Basic Concepts Transparency 53 and Master              |
| _____ Portfolio, TWE p. 829             | _____ <i>Spanish Resources</i>                               |
| _____ Quick Demo, TWE pp. 829, 831      |  |

## Assess/Reteach

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|---|--|
| _____ Section Assessment, SE p. 833       | _____ Reteaching Skills Transparency 44 and Master                   |
| _____ Check for Understanding, TWE p. 832 | _____ <i>Reinforcement and Study Guide</i> , pp. 135–136 TCR         |
| _____ Reteach, TWE p. 833                 | _____ <i>Content Mastery</i> , pp. 149, 151–152 TCR                  |
|   | _____ <i>5 Days to the Georgia High School Graduation Test</i> , TCR |

## Enrichment/Application

- \_\_\_\_\_ Project, TWE p. 831
- \_\_\_\_\_ Extension, TWE p. 833
- \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 30 TCR

## Close

- \_\_\_\_\_ Audiovisual, TWE p. 833

## Chapter Assessment

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| _____ Chapter Assessment, SE pp. 837–839               | _____ <i>Performance Assessment in the Biology Classroom</i> , TCR |
| _____ Assessment, TWE pp. 830, 832, 833, 835           | _____ <i>Alternate Assessment in the Science Classroom</i> , TCR   |
| _____ <b>BDOL Interactive CD-ROM</b> , Chapter 30 quiz |  |
| _____ <i>Chapter Assessment</i> , pp. 175–180 TCR      |  |

## Multimedia Options

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|--|---|
| _____ <b>BDOL CD-ROM</b> Section 30.2 Summary  | _____ <b>NGS Videodisc:</b> <i>GTV: Planetary Manager</i> , <i>STV: Rain Forest</i> |
| _____ <b>MindJogger Videoquizzes</b> , Ch. 30 videotape  | _____ <i>Using the Internet in the Science Classroom</i> , TCR                      |
| _____ <b>ExamView®Pro Software</b> , Ch. 30  | _____ Glencoe Science Web Site:   |
| _____ <b>BDOL Videodisc:</b> <i>Frog Behavior</i> , <i>Feeding Frog</i>                                      | _____ <a href="http://ga.science.glencoe.com">ga.science.glencoe.com</a>            |
| _____ <b>Videodisc:</b> <i>The Secret of Life: Fish/Amphibian-Air Exchange</i> , <i>Fish/Amphibian Heart</i> |   |