



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

pp. 1054–1062

1 class session(s)

Section Objectives

- **Outline** the steps of Koch's postulates.
- **Describe** how infections are transmitted.
- **Explain** what causes the symptoms of a disease.

National Science Content Standards

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

Georgia QCC

1.1, 1.2, 2.1, 3.2, 14.1, 14.2, 15.2, 15.3, 17.2

Focus

_____ Section Focus Transparency 96 and Master
 _____ Getting Started Demo, *TWE* p. 1054
 _____ Bellringer, *TWE* p. 1055

Teach

_____ Problem-Solving Lab 39-1, <i>SE</i> p. 1059	_____ Portfolio, <i>TWE</i> p. 1060
_____ MiniLab 39-1, <i>SE</i> p. 1060	_____ <i>BioLab and MiniLab Worksheets</i> , p. 173 <i>TCR</i>
_____ Internet BioLab, <i>SE</i> p. 1074	_____ <i>Laboratory Manual</i> , pp. 285–292 <i>TCR</i>
_____ Quick Demo, <i>TWE</i> p. 1056	_____ Basic Concepts Transparency 76 and Master
_____ Biology Journal, <i>TWE</i> pp. 1056, 1059	_____ <i>Spanish Resources</i>

Assess/Reteach

_____ Section Assessment, <i>SE</i> p. 1062	_____ <i>Reinforcement and Study Guide</i> , p. 171 <i>TCR</i>
_____ Check for Understanding, <i>TWE</i> p. 1062	_____ <i>Content Mastery</i> , pp. 189–190, 192 <i>TCR</i>
_____ Reteach, <i>TWE</i> p. 1062	

Enrichment/Application

_____ Tech Prep, <i>TWE</i> pp. 1058, 1059, 1060	_____ Project, <i>TWE</i> p. 1061
_____ Enrichment, <i>TWE</i> pp. 1058, 1061	_____ Extension, <i>TWE</i> p. 1062

Close

_____ Discussion, *TWE* p. 1062

Chapter Assessment

_____ Assessment, *TWE* pp. 1059, 1060, 1062
 _____ *Alternate Assessment in the Science Classroom*, *TCR*
 _____ *Performance Assessment in the Biology Classroom*, *TCR*

Multimedia Options

_____ BDOL CD-ROM Section 39.1 Summary	_____ NGS Videodisc: <i>STV: Human Body Vol. 3</i>
_____ MindJogger Videoquizzes , Ch. 39 videotape	_____ <i>Using the Internet in the Science Classroom</i> , <i>TCR</i>
_____ Videotape: <i>The Secret of Life: Tinkering with Our Genes</i>	_____ Glencoe Science Web Site: ga.science.glencoe.com
_____ ExamView®Pro Software , Ch. 39	
_____ Videodisc: <i>The Secret of Life: Tinkering with Our Genes</i>	

Lesson Plan 39.2

Defense Against Infectious Diseases



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pp. 1063–1079

3 class session(s)

Section Objectives

- Compare nonspecific and specific immune responses.
- Compare innate and acquired immune responses.
- Distinguish between antibody and cellular immunity.

Focus

Section Focus Transparency 97 and Master Bellringer, *TWE* p. 1063

National Science Content Standards

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

Georgia QCC

1.1, 1.2, 1.3, 1.4, 2.1, 3.2, 14.2, 15.2, 21.3, 23.1, 23.2, 24.1, 24.2

Teach

Inside Story, *SE* p. 1066
MiniLab 39-2, *SE* p. 1067
Problem-Solving Lab 39-2, *SE* p. 1072
BioTechnology, *SE* p. 1076
Quick Demo, *TWE* p. 1064
Alternative Lab, *TWE* p. 1064
Cultural Diversity, *TWE* p. 1066
Portfolio, *TWE* pp. 1067, 1072

Biology Journal, *TWE* pp. 1068, 1070, 1071, 1072
BioLab and MiniLab Worksheets, pp. 174–176 *TCR*
Concept Mapping, p. 39 *TCR*
Basic Concepts Transparencies 77, 78a, 78b, 79 and Masters
Spanish Resources

Assess/Reteach

Section Assessment, *SE* p. 1073
Reinforcement, *TWE* pp. 1065, 1070
Check for Understanding, *TWE* p. 1073
Reteach, *TWE* p. 1073

Reteaching Skills Transparencies 57, 58 and Masters
Reinforcement and Study Guide, pp. 172–174 *TCR*
Content Mastery, pp. 189, 191–192 *TCR*
5 Days to the Georgia High School Graduation Test, *TCR*

Enrichment/Application

Enrichment, *TWE* pp. 1068, 1070
Extension, *TWE* p. 1073

Critical Thinking/Problem Solving, p. 39 *TCR*

Close

Discussion, *TWE* p. 1073

Chapter Assessment

Chapter Assessment, *SE* pp. 1077–1079
Assessment, *TWE* pp. 1065, 1067, 1069, 1071, 1072, 1073, 1075
Chapter Assessment, pp. 229–234 *TCR*

BDOL Interactive CD-ROM, Chapter 39 quiz
Alternate Assessment in the Science Classroom, *TCR*
Performance Assessment in the Biology Classroom, *TCR*

Multimedia Options

BDOL CD-ROM Section 39.2 Summary;
Video: *Lymphocytes*; Animation: *Antibody Immunity, Cellular Immunity*
MindJogger Videoquizzes, Ch. 39 videotape
Videotape: *The Secret of Life: Nothing to Sneeze At: Viruses*
ExamView®Pro Software, Ch. 39

BDOL Videodisc: *Lymphocytes, Antibody Immunity, Cellular Immunity*
NGS Videodisc: *STV: Human Body Vol. 3 Using the Internet in the Science Classroom*, *TCR*
Glencoe Science Web Site:
ga.science.glencoe.com