

Life Science High School Resources

III.2.HS.1

III.2.HS.1

1,2, Students are given a collection of items, which they must classify, based on common characteristics.

I.1.HS.2

II.1.HS.6,2

III.2.HS.1

1,2, Classifying Mysterious Organisms, “Holt Biology: Biosources Laboratory Techniques”, pg. 141, 2001, ISBN 0-03-051404-5. Copyright: yes

I.1.HS.2,4

II.1.HS.3,6

III.2.HS.1

1, Classification of Organisms, “Holt Biology: Directed Reading Worksheets”, pg. 57, 2001, ISBN 0-03-054361-4. Copyright: yes

III.2.HS.1.

2, Classification of Organisms, “Holt Biology: Active Reading Guide”, pg. 72, 2001, ISBN 0-03-055322-9. Copyright: yes

I.2.HS.4

I.1.HS.7

III.2.HS.1

2, Surveying Kingdom Diversity, “Holt Biology: Principles and Explorations”, pg. 448, 2001, ISBN 0-03-053834-3. Copyright: yes

I.1.HS.1,3

III.2.HS.1.

2, Fun with Fictitious Animals, “Prentice Hall Biology: Teachers Resource Book”, pg. 317, 1991, ISBN 0-13-081365-6. Copyright: yes

II.1.HS.1

III.2.HS.1

2, Analyzing Relationships within a Classification System, “Prentice Hall Biology: Skill Activity”, pg. 319, 1991. ISBN 0-13081365-6. Copyright: yes

II.1.HS.6

III.2.HS.1.

1, Using and Constructing a Classification Key, “Prentice Hall Biology Laboratory Manual”, pg. 203, 1991, ISBN 0-13081431-8. Copyright: yes

I.1.HS.2,4

Websites:

- <http://www.ucmp.berkeley.edu/help/taxaform.html> Taxonomy
- <http://phylgeny.arizona.edu/tree/phylogeny.html> Concepts of the tree-of-life project, nature of evolution, phylogeny, origin of life, geological timescale, relationships between phylogeny and classification.

III.2.HS.2

III.2.HS.2

1, Illustration, “Holt Biology – Principles and Explorations”, pg. 454-455, 491, 2001, ISBN 0-03-053834-3. Copyright: yes

I.1.HS.4

III.2.HS.2

1, Directed Reading Worksheets, “Holt Biology – Principles and Explorations”, pg. Chapter 21 81-84, Chapter 22 pg. 85-88, Chapter 23 pg. 89-92, 2001, ISBN 0-03-054361-4. Copyright: yes

I.1.HS.4

Websites:

- <http://www.aldf.com/templates/DeerTickEcology.cfm> Deer tick and Lyme disease.

Video:

“Lyme Disease – Danger in the Grass”, (AIMS 1990), REMC # 001039, 13 minutes

III.2.HS.3

III.2.HS.3

1,2, What Plants Do With Sunlight, “Biology Miller-Levine Laboratory Manual”, 2000, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.2,4

II.1.HS.6

III.W.HS.3

3, Measuring Food Energy, “Biology Miller-Levine Laboratory Manual”, 2000, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.2,4

II.1.HS.6

III.2.HS.3

3, Reading Labels: Nutritional Information, “Holt Biosources Lab Program”, 2001, ISBN 0-03-050693. Copyright: yes

I.1.HS.4

II.1.HS.6

Video:

“Photosynthesis”, (PXBFA1987), REMC # 001296, 12 minutes

III.2.HS.4

III.2.HS.4

1, What is the Role of Bicarbonate in Homeostasis Quick Lab, “Holt Biology: Principles and Exploration”, pg. 899, 2001, ISBN 0-03-053834-3. Copyright: yes

I.1.HS.4

III.2.HS.4

2, Illustration and Graphic Organizer, “Holt Biology: Principles and Exploration”, pg. 936, 2001, ISBN 0-03-053834-3. Copyright: yes

I.1.HS.4

Websites:

- <http://www.britannica.com/5eo/metaboliv-disease>
Information on causes and treatment of metabolic diseases.

Video: III.2.HS.4,1

“Health Habits for a Healthy Life”, (FFCOM, 1981), REMC # 001224, 16 minutes

“Homeostasis”, (TVO, 1985), REMC # 001489, 60 minutes

“Immune System/Friend and Foe Parts 1-2, and 3-4”, (H. HUG, 1996), REMC # 004869, 120 minutes

“Human Body – Endocrine System”, (UL, 1994), REMC # 005508, 17 minutes

Video: III.2.HS.4,2

“Health-Germs and the Space Visitors”, (EBE, 1972), REMC # 384580, 11 minutes

“Blood-Microscopic Miracle – 2nd Edition”, (EBE, 1983), REMC # 949600, 22 minutes

III.2.HS.5

III.2.HS.5

1, Relating Chronic Diseases and Nutrition, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pg. 547-552, 2001, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.1,2,4

Websites:

- <http://www.cpmcnet.columbia.edu/texts/gcps/> Screening and counseling for disease.

Video:

“Nutrition For Better Health”, (EBE, 1984), REMC # 001542, 15 minutes

“Nutrition to Grow On Grade 6 Phase VI”, (AIMS, 1993). REMC # 004524, 30 minutes

“Biomedicine Rebuilds the Human Anatomy”, (SSR, 1985), REMC # 115355, 13 minutes

“NOVA – When Wonder Drugs Don’t Work”, (CORF, 1986), REMC # 002271, 58 minutes

“Water Pollution, A First Film – Revised”, (PXBFA, 1984), REMC # 899360, 12 minutes

“Water, Water Everywhere –CC”, (JOU, 1993), REMC 003607, 20 minutes

Fit or Fat, not in REMC collection

III.3.HS.1

III.3.HS.1

2,3, Interpreting Information in a Pedigree, “Holt Biosources Quick Lab”, pgs. 11-12, 2001, ISBN 0-03-050693-X. Copyright: yes

II.1.HS.3

III.3.HS.1

1,2,3,4, Investigating Inherited Human Traits, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pg. 157-162, 2000, ISBN 0-13-436795-2. Copyright: yes

II.1.HS.2,3

III.3.HS.1

2,3, Constructing a Human Pedigree, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pgs, 151-156, 2000, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.1

II.1.HS.2

III.3.HS.1

1,3, The Principles of Genetics, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pgs, 129-134, 2000, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.4,3

II.1.HS.4

Websites:

Marshmallow Meiosis: Explore Genetics by Raising Reebops in the Classroom,

- <http://homepage.dave-world.net/~harlo/writesci/Rebops/index.htm>, from The Science Teacher November 1992, pgs. 28-31. Copyright: yes

- <http://www.crwfreeserve.co.uk/gerbils/gerbils.htm> Gerbil genetics, genotypes and phenotypes.

Video:

“Genes and Heredity Disorders”, (CF, 1990), REMC # 000569, 22 minutes

III.3.HS.2

III.3.HS.2

1, Making Models, “Holt Biosources Quick Labs”, pg. 13-14, 2001, ISBN 0-03-050694-8.

Copyright: yes

I.1.HS.4

II.1.HS.6

III.3.HS.2

3, Karyotypes, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pgs. 143-149, 2000, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.2,4

III.3.HS.2

2, Modeling Meiosis, “Holt Biosources Laboratory Techniques”, pg. 49-52, 2001, ISBN 0-03-051403-7. Copyright: yes

I.1.HS.2,4

II.1.HS.6

III.3.HS.2.

1, Teacher’s Guide: A Model of DNA, “Biology Research Activities”, 1988. Copyright: yes
II.1.HS.1

Websites:

- <http://www.cellsalive.com> Mitosis
- <http://www.biog-101-104.bio.cornell.edu/BioG101-104/tutorials/cell-division.html> Mitosis and meiosis

Videos:

“Meiosis and Mitosis – Fertilization/Sexual Reproduce”, (AIMS, 1996), REMC # 004820, 23 minutes

“Heredity and Genetics”, (Bench, 1990), REMC # 003480, 20 minutes

III.3.HS.3

III.3.HS.3

1,2,5, Karyotypes, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pg. 143-149, 2000, ISBN 0-13-436795-2. Copyright: yes

Websites: 1,2,3,

- <http://vector.csh/dnaftb> DNA From the Beginning, History, Animation, and description of DNA/Chromosome mutation and effects, 3-21-01. Copyright: no
- <http://thinkquest.org/20830/main.htm> DNA manipulation

Video:

“Genetic Series – Jumping Genes”, (CORF, 1987), REMC # 002206. 25 minutes

I.1.HS.4

II.1.HS.6

III.4.HS.1

III.4.HS.1

1,3, Comparing Observations of Body Parts, “Holt Biosources Quick Labs”, pg. 17-18, 2001, ISBN 0-03-050693-X. Copyright: yes

I.1.HS.4

II.1.HS.6

III.4.HS.1

3, Analyzing Adaptations: Living on Land, “Holt Biosources Quick Labs”, pg. 19-20, 2001, ISBN 0-03-050693-X. Copyright: yes

I.1.HS.4

II.1.HS.6

III.4.HS.1

2, Comparing Primate Features, “Holt Biosources Quick Labs”, pgs. 21-22, 2001, ISBN 0-03-050693-X. Copyright: yes

I.1.HS.4

II.1.HS.6

III.4.HS.1

2, Fossil Study, “Holt Biosources Inquiry Skills”, pg. 29-33, 2001, ISBN 0-03-051402-9.

Copyright: yes

I.1.HS.4

III.4.HS.1

3, Peppered Moth Survey, “Holt Biosources Inquiry Skills”, pg. 35-38, 2001, ISBN 0-03-051402-9.

Copyright: yes

I.1.HS.4

III.4.HS.1

1, Amino Acid Sequences and Evolutionary Relationships, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pg. 173-180, 2000, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.2,4

III.4.HS.1

Websites:

- www.indiana.edu/~ensiweb/evol.f.html Evolution Lessons.
- <http://www.thirteen.org/wnetschool/origlessons/evolution/> Evolution, geologic time periods, species.
- <http://www.indiana.edu/~ensiweb/>

III.4.HS.2

III.4.HS.2

1,2, Peppered Moth Survey, “Holt Biosources Inquiry Skills, pgs 35-38, 2001, ISBN 0-03-051402-9. Copyright: yes

I.1.HS.

III.4.HS.2

1,2, How Can You Model Natural Selection? Quick Lab, “Holt Biology: Principles and Exploration”, pg 282, 2001, ISBN 0-03-053834-3. Copyright: yes

II.1.HS.

III.4.HS.2

Websites: 1,2,3,

- www.indiana.edu/~eniweb/evol.f.html Evolution Lessons.
- www.ucmp.berkeley.edu/history/evolution.html
UCMP Exhibit Halls

- www.thirteen.org/wnetschool/origlessons/evolution/ Evolution, geologic time periods, species
- <http://www.terraquest.com/galapagos/intro.html> Virtual Galapagos

III.5.HS.1

III.5.HS.1

1,2, Ecological Succession: Population Changes Over Time, “Biology Research Activities-Alpha Publishing”, pg. 263-267, 1988. Copyright: yes

I.1.HS.4,5

II.1.HS.6

III.5.HS.1

1,2, Relationships in an Ecosystem, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pg. 591-594, 2000, ISBN 0-13-436795-2. Copyright: yes

II.1.HS.

III.5.HS.1

1,2, Ecological Succession, “Prentice Hall Biology Miller-Levine Laboratory Manual”, pg. 595-600, 2000, ISBN 0-13-436795-2. Copyright: yes

I.1.HS.

II.1.HS.

Websites:

- <http://www.gale.com> Ecology reference material
- <http://www.biogeography.com> General ecology
- <http://www.demon.co.uk/bes/> British Ecological Society
- <http://www.globe.gov> Project Globe

Video:

“Ecosystems – Nature In Balance”, (AIMS, 1993), REMC # 003935, 13 minutes

“Biosphere – 2 Views From Another World”, (FFCFS, 1993), REMC # 003083, 90 minutes

III.5.HS.2

III.5.HS.2

1,2,4, Who Eats Whom: A Study of a Food Web, “Biology Research Activities-Alpha Publishing”, pg. 269-278, 1988. Copyright: yes

II.1.HS.3,5,6

III.5.HS.2

1,2, Making A Food Web, “Holt Biosources Quick Labs”, pgs 23-24, 2001, ISBN 0-03-050693-X. Copyright: yes

I.1.HS.

Websites:

- <http://www.hood-consulting.com/amazing/lesson/ecology.html> Lesson plans
- <http://www.terraquest.com/galapagos/education/reference/web.html> Food webs

Vides:

“Biosphere – 2 Views From Another World”, (FFCFS, 1993), REMC # 003083, 90 minutes
 “Food Web and Energy Transfer”, (BENCH, 1992), REMC # 004288, 22 minutes

III.T.HS.3

III.5.HS.3

1,3, biological Communities, “Holt Biology Principles and Explorations Student Review Guide”, pg. 135-136, 2001, ISBN 0-03-054366-5. Copyright: yes

II.1.HS

III.5.HS.3

1,2,3, Website:

- www.nsta.org/programs/sst/globalchange/hsacts.html Global Change Workshop High School Level Activities

I.1.HS.2,4

II.1.HS.3

III.5.HS.3

1,2,3, Video:

“Biosphere-2 Views From Another World”, (FFCFS, 1993), REMC # 003083, 90 minutes
 “Dioxin – International Concern”, (JOU, 1982), REMC # 238600, 12 minutes

III.5.HS.4

111.5.hs.4

1, Observing Succession in Aged Tap Water. “Biology Miller-Levine Teachers Resource Book”, pg. 1003-1004, 1992, ISBN 0-13-081365-6. Copyright: yes

I.1.HS

II.1.HS

III.5.HS.4

2,3, Food and Feeders?, “Biology Miller-Levine, pgs 304-305, 1998, ISBN 0-13-426032-5. Copyright: yes

I.1.HS.5

Websites:

- <http://www.biodiversity.uno.edu>
- <http://www.wri.org>

Video:

“Bill Nye Science Guy – Wetlands/Rivers and Streams”, (DISN, 1996), REMC # 004927, 46 minutes

“Wetlands Blues”, (LUCEF, 1995), REMC # 004566, 20 minutes

“Wetlands – We Need Them”, (BERLT, 1995), REMC # 003772, 20 minutes

III.5.HS.5

III.5.HS.5

2, Identifying Plant and Human Nutrients, “Biology Miller-Levine”, pg. 292, 1998, ISBN 0-13-426032-5. Copyright: yes

III.5.HS.5

Carbon Cycle, Nitrogen Cycle, “Transparency Directory-Prentice Hall Biology Miller-Levine”, pg. 50-51, 2001, ISBN 0-03-050703-0. Copyright: yes

I.1.HS.4

Video:

“Food Web and Energy Transfer”, (BENCH, 1992), REMC # 004288, 22 minutes

III.5.HS.6

III.5.HS.6

1, Fertilizers-Nutrients Unlimited, “Prentice Hall Biology Miller-Levine”, pg. 296, 1998, ISBN 0-13-426032-5. Copyright: yes

II.1.HS.5,6

III.5.HS.

1,2,3, The Problem of Acid Rain, “Biology Research Activities”, pg. 289-299, 1988. Copyright: yes

I.1.HS.4,5

II.1.HS.5,6

III.5.HS.6

1, Human Impact on Environment, “Biology Miller-Levine Concept Mapping Worksheets with Answer Key”, pg. 19, 2001, ISBN 0-03-055319-9. Copyright: yes

II.1.HS.6

III.5.HS.6

1, Studying an Algal Bloom, “Biology Miller-Levine Laboratory Techniques and Experimental Design”, pg. 131-136, 2001, ISBN 0-03-051403-7. Copyright: yes

I.1.HS.2,4

II.1.HS.6

Websites:

- <http://ecotopia.org/ehof> Ecology Hall of Fame, overview of key ecologist and their role in the ecology movement, 3-21-01. Copyright: no
- www.aqua.org/education/teachers/chesapeake.html