

Life Over Time

eEdition

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Unit Features



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TIMELINES IN SCIENCE <i>Life Unearthed</i>	74

1 The History of Life on Earth 6

the BIG idea

Living things, like Earth itself, change over time.

1.1 Earth has been home to living things for about 3.8 billion years.	9
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1.2 Species change over time.	17
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1.3 Many types of evidence support evolution.	28
THINK SCIENCE <i>How Did the Deep-Sea Angler Get Its Glow?</i>	35

How do scientists learn about the history of life on Earth? page 6

How many different types of organisms do you see and how would you group them? page 40

2 Classification of Living Things 40

the BIG idea

Scientists have developed a system for classifying the great diversity of living things.

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|------------|--|----|
| 2.1 | Scientists develop systems for classifying living things. | 43 |
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| 2.2 | Biologists use seven levels of classification. | 51 |
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| 2.3 | Classification systems change as scientists learn more. | 60 |
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3 Population Dynamics 78

the BIG idea

Populations are shaped by interactions between organisms and the environment.

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| 3.1 | Populations have many characteristics. | 81 |
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| 3.2 | Populations respond to pressures. | 90 |
| | SCIENCE ON THE JOB <i>Studying the Schools</i> | 97 |
| 3.3 | Human populations have unique responses to change. | 98 |
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Features

MATH IN SCIENCE

<i>Using Proportions</i>	16
<i>Writing Percents</i>	50
<i>Finding Averages</i>	89

THINK SCIENCE

<i>How Did the Deep-Sea Angler Get Its Glow?</i>	35
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SCIENCE ON THE JOB

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EXTREME SCIENCE

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FRONTIERS IN SCIENCE

<i>Life by Degrees</i>	2
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TIMELINES IN SCIENCE

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Classifying Organisms	55
Dichotomous Key	57
Six Kingdoms	62

Internet Resources @ ClassZone.com

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<i>Modern Classification</i>	61
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NSTA SCILINKS

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<i>Percents and Fractions</i>	50
<i>Finding the Mean</i>	89

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TEST PRACTICE

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INVESTIGATIONS AND ACTIVITIES

EXPLORE THE BIG IDEA

Chapter Opening Inquiries

1. What Can Rocks Show About Earth's History? Which One of These Things Is Not Like the Others? Internet Activity: Matching Finch Beaks 7
2. How Are Fingerprints Different? How Would You Sort Pennies? Internet Activity: Linneaus 41
3. How Does Population Grow? How Do Populations Differ? Internet Activity: Population Dynamics 79

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EXPLORE

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INVESTIGATE

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