

# 4

# Incredible Earth

## Subject Area

The Natural World

## Topics & Curriculum Links

environments around the world (Geography)

places and countries (Geography)

sizes and measurements (Mathematics)

dates and events (History)

physical processes (Geography)

animals (Science)

dangers from the environment (Geography; Civics)

## Vocabulary

places; materials; animals; weather; transportation;

numbers; measurements; countries; continents

## Grammar

present simple; present continuous; past simple; question forms; imperative; adjectives; prepositions; adverbs

## Teaching Ideas

See also [pages 6–7](#) for general ideas that you can adapt. Or go to [www.oup.com/elt/teacher/readanddiscover](http://www.oup.com/elt/teacher/readanddiscover)

### Incredible Places Around the World

After completing Project 2, students do research, using books or the Internet, about incredible places in another country, or about a type of place. They display their findings on a poster with pictures, maps, charts, etc. Students can write about their places like this: *This is [Name] ... It's a [type of place] ... It's in [Country] ... It's incredible because ...* Students can work in groups, and posters can then be displayed together.

### READ & TALK An Incredible Tour

Using the information from the Reader and/or information from books or the Internet, students plan a tour of five or ten incredible places around the world. They can use a copy of the world map on page 7 to show their tour. They can write and talk about it like this: *First, we're going to visit ... in ... It's a ... We're going to see ... Then ... Next ... After that ... Finally ...* Then they can present their tour to the rest of the class, or all the tours can be displayed together. Then students can vote for the best tour.

## Activities Answers

**Pages 24–25** 1 1 Earth is round. 2 Earth's crust is millions of years old. 3 The pieces of Earth's crust move very slowly. 4 There are different rocks in Earth's crust. 5 Under Earth's crust, there's very hot rock. 6 There are volcanoes under the ocean. 2 1 old 2 crust 3 holes 4 volcano 5 ocean 6 rocks 3 1 crust 2 Earth 3 earthquake 4 island 5 mountain 6 ocean 7 rocks 8 volcano 4 1 Earth 2 skin 3 piece 4 volcano 5 ground 6 desert

**Pages 26–27** 1 1 valley 2 waves 3 cliffs 4 coral 5 sea turtle 6 dolphin 2 1 true 2 false 3 true 4 true 5 false 6 true 3 1 It's the Pacific Ocean. 2 It's 10 kilometers deep. 3 They are in Bali in Indonesia. 4 It's made of millions of very small animals. 5 It's near Australia. 4 1 The Pacific Ocean is bigger than Africa. 2 There are big mountains under the ocean. 3 When waves hit the land, rocks fall into the ocean. 4 Coral is hard, but it isn't made of rock. 5 Many amazing animals live near coral reefs.

**Pages 28–29** 1 1 mountain 2 waterfall 3 rainforest 4 river 2 1 South America 2 hard 3 mountains 4 through 5 anaconda 3 1 kilometer 2 rock 3 snake 4 mountain 5 Amazon 4 1 ocean 2 Amazon 3 rainforest 4 Brazil 5 Iguazu Falls 6 anaconda 5 1 The water in rivers comes from rain or snow. 2 When a river goes over rocks, it makes waterfalls AND/OR rapids. 3 Iguazu Falls is a South American waterfall. 4 The Amazon begins in the mountains in Peru. 5 The Amazon goes through a big rainforest. 6 You can find snakes in the Amazon.

**Pages 30–31** 1 1 glacier 2 mountain 3 slowly 4 icebergs 5 ice 6 incredible 2 Hot: Amazon Rainforest, coral reef, volcano, melted rock; Cold: glacier, ice, iceberg, snow 3 1 Glaciers move very slowly. 2 Glaciers are rivers made of ice. 3 Icebergs are dangerous for boats. 4 Ilulissat is one of the coldest places. 4 1 When do glaciers begin? They begin when snow falls. 2 What are glaciers made of? They are made of ice. 3 Why are icebergs dangerous? Because most of the ice is under the water. 4 Where is Ilulissat? It's near the North Pole. 5 How long is the glacier at Ilulissat? It's about 40 kilometers long.

**Pages 32–33** 1 1 rain 2 snow 3 geyser 4 pool 5 steam 6 waterfall 2 1 true 2 false 3 false 4 false 5 true 6 true 3 1 Under a geyser there is a lot of hot rock. 2 Geysers make a loud noise. 3 The water in a geyser is very hot. 4 Don't go near a geyser. 5 The cliffs at Pamukkale look like waterfalls. 6 Pamukkale is in Turkey. 4 1 Deep under the ground, there is hot rock. 2 When water boils, it makes steam. 3 The monkeys at Jigokudani sit in the warm water. 4 In the water there are minerals. 5 The cliffs at Pamukkale look like waterfalls. 6 Don't go near geysers because they are very hot.

**Pages 34–35** 1 1 mountain chain 2 moved 3 slowly 4 highest 5 deepest 6 rivers 2 1 water 2 rainforest 3 mountain 4 top 5 very 6 Earth 3 1 What is the highest mountain in the world? Mount Everest. 2 What is the deepest lake in the world? Lake Baikal. 3 What is the biggest mountain chain in the world? The Himalayas. 4 What is the biggest river in the world? The Amazon. 4 free answers

**Pages 36–37** 1 1 near 2 move 3 caves 4 Borneo 5 rock 6 pictures 2 1 Caves are usually wet. 2 Limestone is a soft rock. 3 There are often caves in limestone. 4 People drew pictures on cave walls. 5 Now most people don't live in caves. 3 1 Where is the Sarawak Chamber? It's in Borneo. 2 Is limestone very hard? No, it's soft. 3 Are caves usually wet? Yes, they are. 4 What are stalactites made of? They are made of rock. 5 Why did people draw on cave walls? Because they didn't have books or paper. 6 Do you like caves? free answer

**Pages 38–39** 1 1 earthquake 2 flood 3 building 4 tsunami 5 tree 6 wave 7 house 8 ocean 2 1 moves 2 buildings 3 under 4 ocean 5 in 3 1 false 2 true 3 true 4 false 5 true 6 false 4 1 Earth's crust moves a few millimetres every year. 2 Big earthquakes are very dangerous. 3 Earthquakes under the ocean sometimes make tsunamis. 4 A tsunami is a giant wave. 5 After a tsunami, there are often floods.

**Pages 40–41** 1 1 sand 2 stones 3 salt 4 rocks 5 rain 6 lake 7 desert 8 ground 2 1 Some deserts are made of sand. 2 It doesn't rain often in Antarctica. 3 The Sahara Desert is bigger than Australia. 4 Animals in the desert don't drink very often. 5 In Bolivia, there is a desert made of salt. 6 The Salar de Uyuni is an incredible place. 3 1 Deserts are usually hot. 2 Deserts are very dry places. 3 The Sahara Desert is in Africa. 4 It's very cold in Antarctica. 5 Many people visit the Salar de Uyuni. 4 1 How much of the land on Earth is desert? About 20 percent. 2 What is the biggest hot desert on Earth? The Sahara Desert. 3 Where is Bolivia? In South America. 4 Why do many people visit the Salar de Uyuni? Because it's an incredible place.

**Pages 42–43** 1 1 Where is Cappadocia? It's in Turkey. 2 What changed the rocks in Cappadocia? The wind changed them. 3 Where is the Grand Canyon? It's in the USA. 4 What is the name of the river in the Grand Canyon? It's called the Colorado River. 5 When did erosion begin in the Colorado River? About 20 million years ago. 2 1 water 2 earthquakes 3 desert 4 caves 5 volcano 6 Australia 7 lake 8 glacier 9 geyser 10 ocean 3 free answer