

Our Wonder-Filled World

Mary Tadokoro



Asahi Press

審査用見本

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by

Mary Tadokoro

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Asahi Press

音声再生アプリ「リスニング・トレーナー」を使った 音声ダウンロード



朝日出版社開発のアプリ、「リスニング・トレーナー（リストレ）」を使えば、教科書の音声をスマホ、タブレットに簡単にダウンロードできます。どうぞご活用ください。

● アプリ【リスニング・トレーナー】の使い方

《アプリのダウンロード》

App StoreまたはGoogle Playから
「リスニング・トレーナー」のアプリ
(無料) をダウンロード

App Storeは
こちら▶



Google Playは
こちら▶



《アプリの使い方》

- ① アプリを開き「コンテンツを追加」をタップ
- ② 画面上部に【15701】を入力しDoneをタップ

音声ストリーミング配信》》》

この教科書の音声は、
右記ウェブサイトにて
無料で配信しています。



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まえがき

私たちの身近にある、普段はあまり気につけない物や事象について、ふと「あれは何だろう、何故だろう？」と思うことはないでしょうか。本書はその謎や疑問に答えるべく編まれた読解中心の総合教材です。Pre-reading として、基礎知識の Fast Fact や「なぞなぞ」の質問に始まり、易しい英文で書かれた Reading Passage、Topic の追加を材料にした Listening、様々な Exercises、学んだことを話し合う Dialog で構成されています。

基礎知識を紹介している Pre-reading の問題では、推測が必要です。文章のつながりに気をつけながら答えてみてください。講読中心の教材ですが、大いに声を出して勉強することをお勧めします。Passage と More on the Topic では、Vocabulary を見ってから、本文にスラッシュ (/) を入れながら、文章を区切って、シャドウイング (shadowing) をして口を慣らしましょう。そして、また声を出しながら、区切りごとの英語を日本語に訳しながらペアワークなどして練習を重ねましょう。最後に全体を通して訳してから、本文の英語を再度読み上げましょう。知らない間にその英語が浸透していきます。

英語の上達はもちろんですが、世の中の不思議に圧倒される 1 年になるように願っています。

2022 年 10 月

田所メアリー

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備查用見本

Lesson

1

Why Is the Ocean Salty?



PRE-READING TASKS

Fast Fact

The saltiness of the ocean, on average, is 35 grams of salts per liter.

A 次の1.～3.の文の空欄に入る適切なものを a.～c.から選び、文章を完成させましょう。

1. Salt water is a combination of fresh water and _____, called salts.
2. These salts contain not just sodium and chloride, like table salt, but _____ as well.
3. The saltiness of the world's oceans ranges from _____.
 - a. calcium, magnesium, potassium, and other minerals
 - b. 30 to 38 grams per liter
 - c. minerals

B なぞなぞに挑戦してみましょう。

I am not salty, but over time I make the oceans salty. What am I?

● Take a guess: You are _____.

● Read the passage to find out the answer!

Vocabulary _____

saltiness: 塩味 **on average:** 平均して **sodium:** ナトリウム **chloride:** 塩化物
range from A to B: ～は A から B までにわたる **potassium:** カリウム
over time: 時が経つにつれて

READING



The rivers that flow into the ocean are not salty. So why is the ocean salty? Scientists give two major reasons: the action of the earth's crust and the action of rain.

First, minerals enter the ocean through the earth's crust. For example,
5 fissures and underwater volcanoes bring up minerals from inside the earth.



Second, rain and wind break down rocks. The rain carries minerals from the rocks into rivers. Those rivers flow into the ocean. The sun evaporates water from the rivers and ocean, but the minerals stay in the water. The most common minerals in the ocean are chloride and sodium. They
10 make up 85 percent of the minerals in the ocean.

Marine plants and animals use some of the minerals. But the rest stay in the water or sink to the bottom of the ocean. Over millions of years, the water in the ocean has become more and more salty.



Vocabulary _____

earth's crust: 地殻 fissure: 亀裂 bring up: 噴き上げる

break down: 壊す、分解する flow into: ～に流れ込む evaporate: 蒸発する

make up: 構成する、占める

POST-READING TASKS

A Check your answer.

なぞなぞの答えを確認しましょう。

I am not salty, but I carry salts to the ocean. What am I?

ANSWER: You are a _____.

B Complete the sentences.

1.~5. の文の空欄に入る最も適切なものを a.~e. から選び、文章を完成させましょう

1. Scientists give two major reasons for _____.
 2. Minerals are brought up from inside the earth _____.
 3. Rocks are broken down _____.
 4. The sun evaporates _____.
 5. Sodium and chloride _____.
- a. water but not minerals
 - b. the saltiness of the ocean
 - c. make up 85 percent of the salts in the ocean
 - d. by the wind and rain
 - e. through fissures and underwater volcanoes

C More on the Topic

録音を聞いて、() を埋めましょう。



4

Some parts of the () are () salty than other parts. It's () salty near the () of rivers. And it's less salty at the () and () poles when the polar () melts. The Pacific is much () and () salty than the Atlantic. Deep, cold water is also () salty. But, at () grams of salt per liter, the () area is the Mediterranean Sea. So () () salt is there in the ocean? Scientists say, if all the () in the () was dried and spread on the earth's (), it would be about () () deep. That is about () the height of () ().

Vocabulary _____

pole: 極、極地 **the Pacific (Ocean):** 太平洋 **the Atlantic (Ocean):** 大西洋
deep: 深い、深さ **the Mediterranean Sea:** 地中海 **height:** 高さ

D Answer the questions.

1.~5. の質問の答えを a.~f. から選んで、空欄に記入しましょう

- _____ 1. Where is the ocean less salty?
- _____ 2. Which is smaller and more salty, the Atlantic or the Pacific?
- _____ 3. Which is less salty, surface water or deep water?
- _____ 4. How much saltier is the Mediterranean Sea than the average?
- _____ 5. If all the salt in the ocean were spread on the surface of the Earth, how much higher would it be?
 - a. It would be about 150 meters higher.
 - b. It's about 3 grams per liter saltier.
 - c. The Atlantic.
 - d. The Pacific.
 - e. In areas where fresh water enters it.
 - f. Water near the surface of the ocean is.

E What did you learn from the lesson?

録音を聴いて () に単語をいれ、ペアになって会話を練習しましょう。



A: How did you enjoy the lesson?

B: Well, I found it (). And you?

A: I found it (). What did you find ()?

B: Well, I discovered that water from rivers makes the ocean salty! What about you?

A: Yeah, I didn't know that some parts of the ocean are saltier than others.