

e-future

DISCOVERY

6.1



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- **Where** can you see auroras?
- **What** was the Lighthouse of Alexandria?
- **Where** can you see spectacular waterfalls?
- **How** did the Mayans use the Temple of Kukulcán?

Sports & Fitness

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- **What** are some of the world's hardest footraces?
- **Why** should you walk 10,000 steps a day?
- **How** are skill levels represented in Taekwondo?
- **Who** is Simone Biles?

Science & Technology

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- **What** is GNSS?
- **What** is lab-grown leather?
- **What** are vaccines?
- **What** is code?

Food

Discover in Reading

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- **How** do restaurants get a Michelin star?
- **What** is a traditional taco?
- **Where** does vanilla come from?
- **How** can you grow food from scraps?



World-Wide Wonders

Discover

Where

Unit 1

Auroras

Discover

What

Unit 2

The Lighthouse of Alexandria

Discover

Where

Unit 3

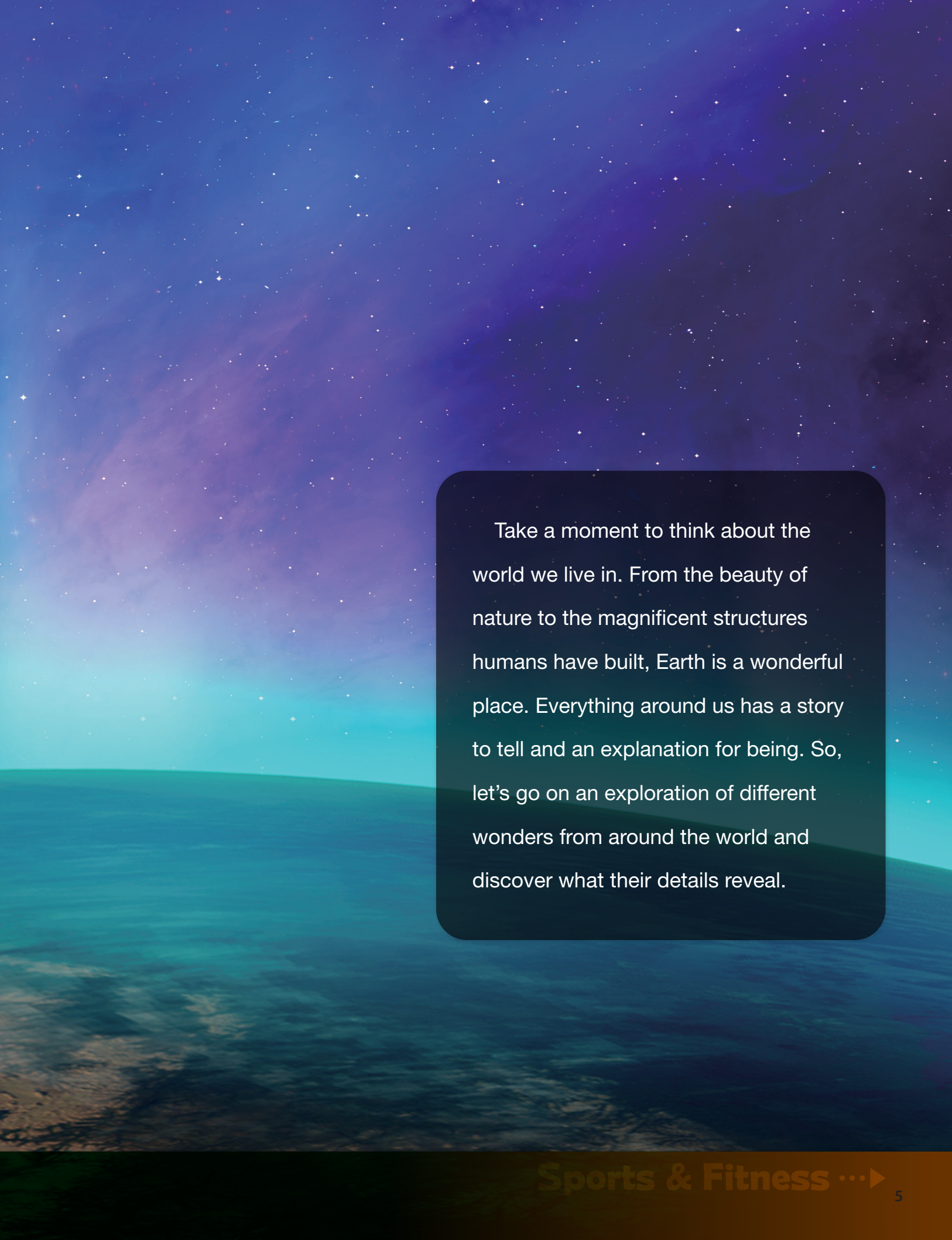
Falling Spectacles

Discover

How

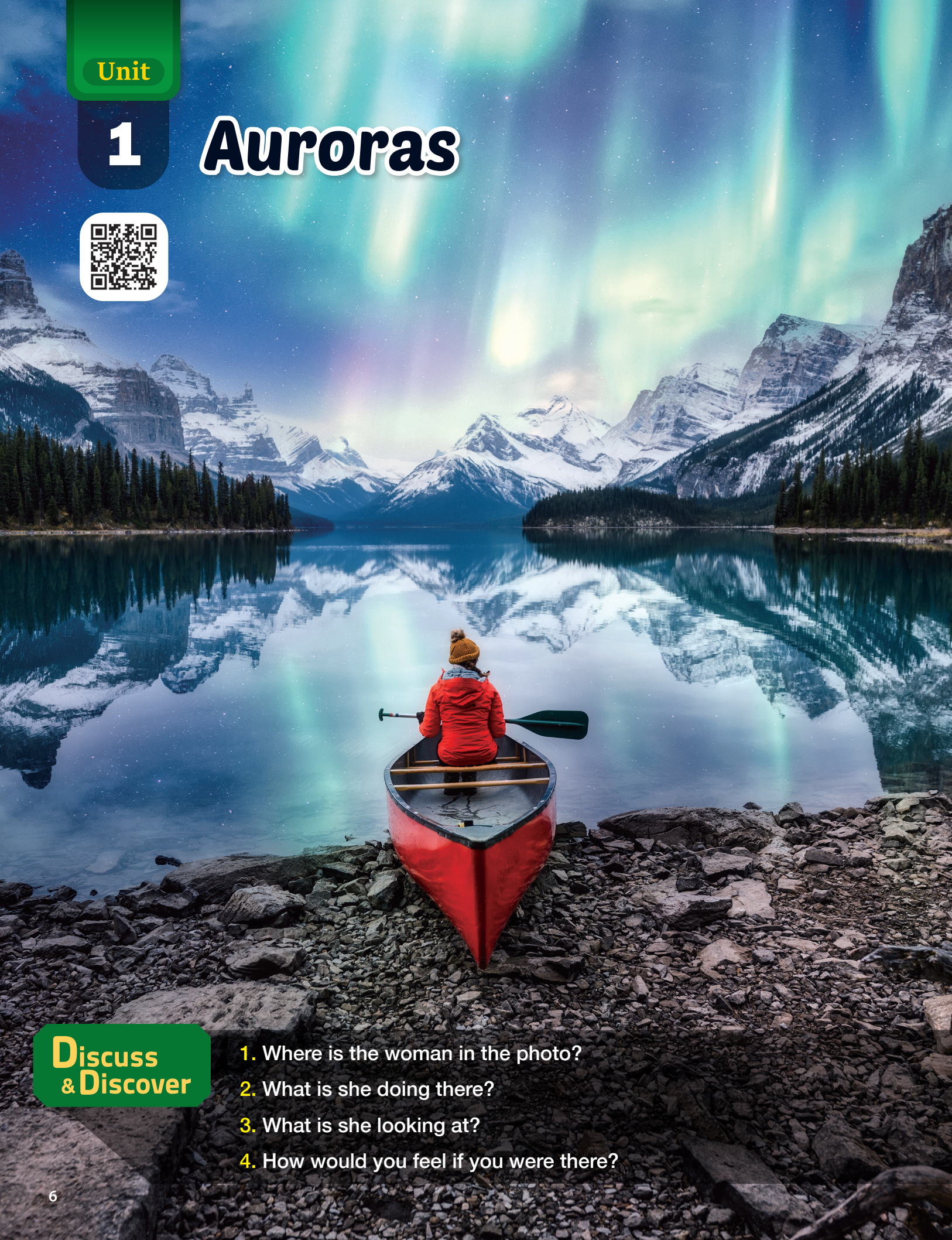
Unit 4

A Marvelous Mayan Pyramid



Take a moment to think about the world we live in. From the beauty of nature to the magnificent structures humans have built, Earth is a wonderful place. Everything around us has a story to tell and an explanation for being. So, let's go on an exploration of different wonders from around the world and discover what their details reveal.

Auroras



Discuss & Discover

1. Where is the woman in the photo?
2. What is she doing there?
3. What is she looking at?
4. How would you feel if you were there?

Key Words

A Listen and repeat the words. 01

- | | | | |
|--------------|---------------|---------------|-----------|
| 1 atmosphere | 2 climate | 3 destination | 4 display |
| 5 location | 6 opportunity | 7 shade | 8 visible |

B Choose and write the correct words from A.

- 1 _____ : a lighter or darker form of a color
- 2 _____ : the place where someone is going
- 3 _____ : able to be seen
- 4 _____ : a place or position
- 5 _____ : the usual weather conditions
- 6 _____ : the mixture of gases around Earth
- 7 _____ : something arranged to be seen
- 8 _____ : a chance to do something

C Choose and complete the sentences.

visible location destination shade display opportunity

- 1 The _____ of the flight is Istanbul, Türkiye.
- 2 The museum has a wonderful _____ of children's paintings.
- 3 Next summer, I may have a(n) _____ to study abroad in Spain.
- 4 I use a light _____ of blue when painting the sky.
- 5 Nothing was _____ outside because of the heavy fog.
- 6 We finally found the _____ of the airport on the map.

Auroras

▶ 02

Auroras are natural **displays** of light that occur in the skies of Earth's two polar regions. Near the North Pole, they are known as the Northern Lights or Aurora Borealis. And near the South Pole, they are called the Southern Lights or Aurora Australis.

Auroras happen when tiny particles from the Sun meet gases in Earth's **atmosphere**. This causes enchanting **shades** of green, pink, and purple to appear. The colorful lights then float like sparkling ribbons dancing across the sky. For viewers, these magical light displays are most **visible** during clear, dark nights.

Discover in Reading

Where can you see auroras?

Check
Reading
Fluency



In the Northern Hemisphere, people can see the Northern Lights from many **locations**, including Canada, Alaska, Iceland, and Greenland. Tromsø, Norway is a particularly famous **destination** for aurora hunters. The Sun does not rise above the horizon from November to January, so winter nights are very long here. With so much darkness, there are many **opportunities** to see the Northern Lights in Tromsø.

The Southern Lights can best be seen from locations in the Southern Hemisphere such as New Zealand, Argentina, and Antarctica. However, Tasmania, Australia might be the best place of all. The island's location and its unique **climate** provide clear, dark skies throughout the year. So aurora hunters can see the Southern Lights in Tasmania during any season.

Both the Northern and Southern Lights are breathtaking displays of nature's beauty. What would be your favorite destination to see an aurora?

breathtaking very exciting or beautiful
enchanted very pleasant and interesting

horizon where the earth and the sky meet
particle a very small piece of something

Reading Comprehension

● Choose the correct answers.

1 What is the passage mainly about?

- a the people who hunt auroras
- b the devices needed to see auroras
- c the different shades of colors in auroras
- d the best times and places to see auroras

2 What are the Northern Lights also known as?

- a the North Pole
- b Aurora Borealis
- c the Southern Lights
- d Aurora Australis

3 When do auroras happen?

- a when particles from the Sun meet gases in Earth's atmosphere
- b when gas particles from Earth travel to the Sun
- c when the light from the Sun is weak
- d when the Sun rises above the horizon

4 Where can you observe Northern Lights?

- a in Brazil and South Africa
- b in Canada and Iceland
- c in Australia and New Zealand
- d in India and China

5 What can be inferred from the passage?

- a The Sun never sets in Tromsø during the summer.
- b Aurora hunting is a dangerous activity.
- c Auroras are less visible when the sky is cloudy.
- d Auroras are sometimes visible near the equator.

Think & Write

1 How are the Northern and Southern Lights different?

_____.

2 Which would you want to see? Why?

_____.

Graphic Organizer & Summary

A Complete the chart.

Where Can You See Auroras?

Northern Hemisphere

- At places near the North Pole, including Canada, _____¹
- Best location: _____² in winter

Reason The Sun does not rise _____³ during the winter months.

Southern Hemisphere

- At places near the South Pole, including New Zealand, _____⁴
- Best location: Tasmania, Australia _____⁵

Reason Skies are clear and dark year-round due to _____⁶.

its unique island climate
during any season

Alaska, and Iceland
Argentina, and Antarctica

above the horizon
Tromsø, Norway

B Complete the summary.

Auroras are natural light _____¹ seen near the North and South Poles. They happen when tiny _____² from the Sun enter Earth's atmosphere. Auroras are most _____³ on clear, dark nights. A famous _____⁴ to see the Northern Lights is Tromsø, Norway. This is because winter nights are very long there. For the Southern Lights, _____⁵ is a great location to view them during any season. The _____⁶ in Tasmania are clear and dark throughout the year.

Tasmania

location

displays

night skies

visible

particles