

POLAR QUEST



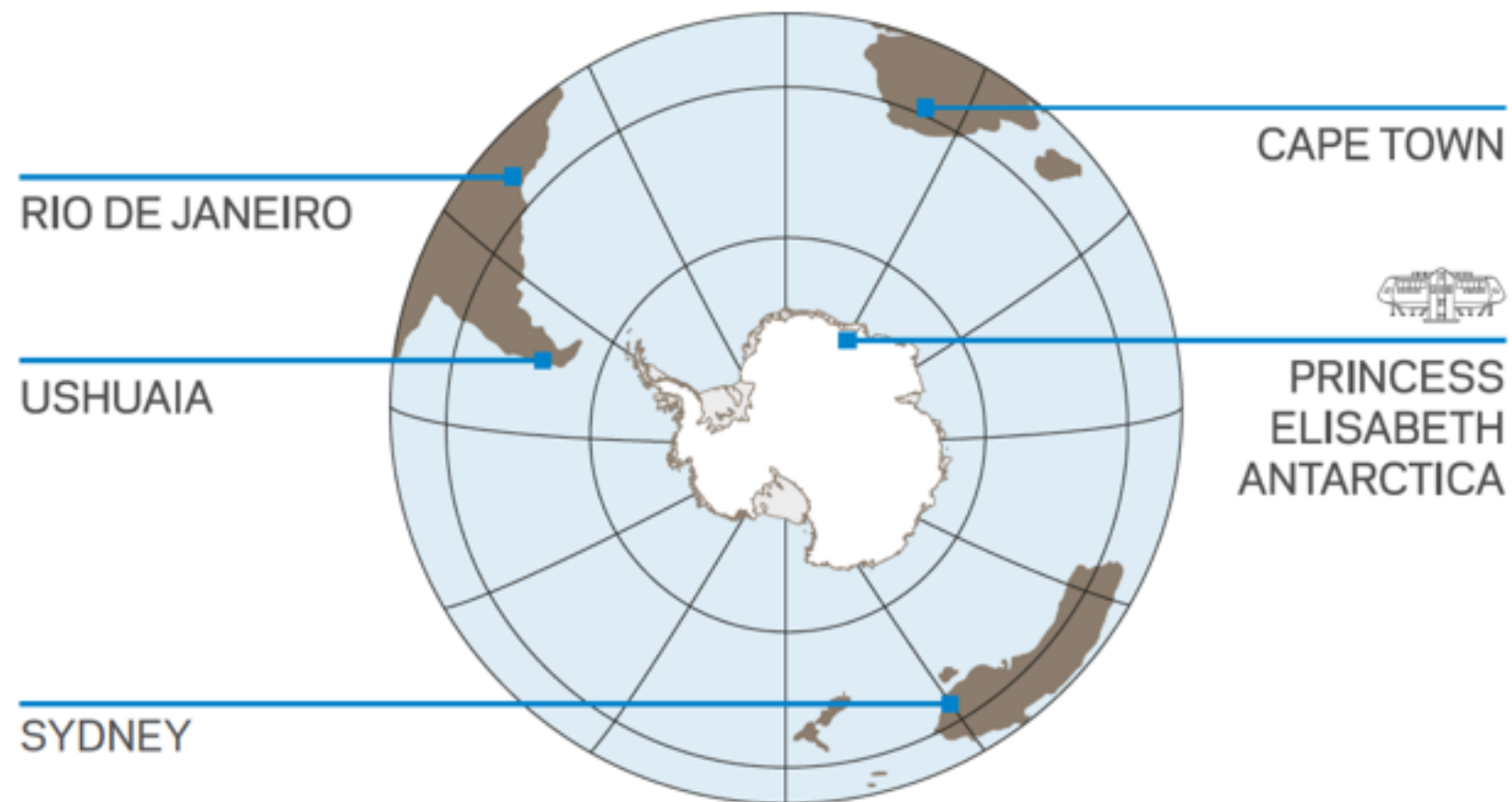
2013-2015

ANTARCTIC GEOGRAPHY

START



HOW BIG IS ANTARCTICA (IN MILLIONS OF KM²) ?



1.4 MILLION

4 MILLION

14 MILLION

9 MILLION

Incorrect !

TRY AGAIN

Correct!

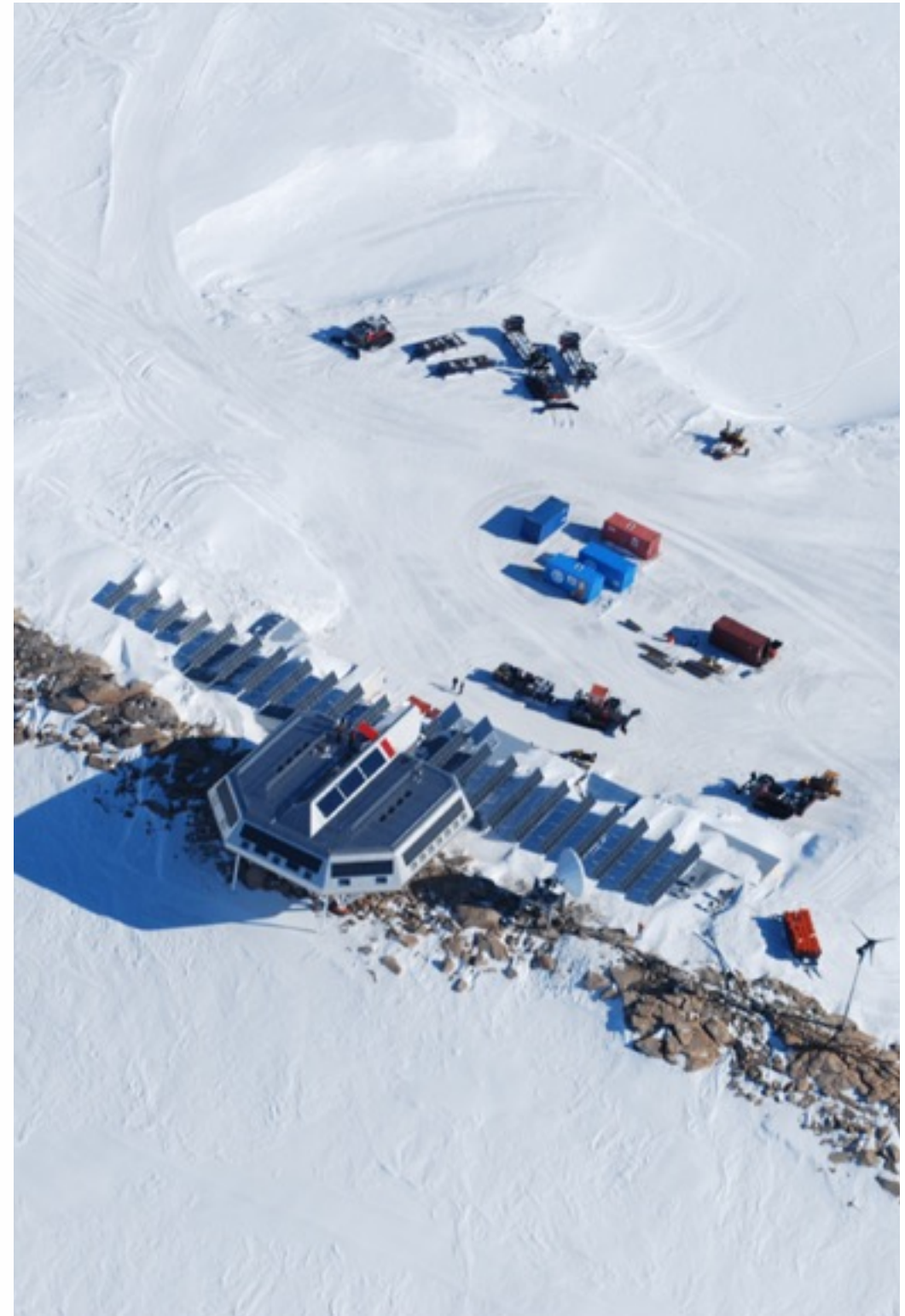
The area of Antarctica, including ice shelves and islands, is approximately **14 million km²**. This is equivalent to 1.4 times the area of the United States.

NEXT



WHAT IS THE NAME OF THE ROCK RIDGE
ON WHICH THE PRINCESS ELISABETH
STATION IS BUILT ?

- ▶ UTSTEINEN
- ▶ ROMNEUS
- ▶ NANSEN
- ▶ VESTAUGHEN



Incorrect!

TRY AGAIN

Correct!

The [Princess Elisabeth Station](#) is anchored with short legs on the rocky Utsteinen ridge. This allows the snow to pass under the main building without accumulating. The main station building stays free of snow all year round.

NEXT



WHAT IS THE ALTITUDE AT THE PRINCESS ELISABETH STATION ?



323 m

694 m

1382 m

4810 m

Incorrect!

TRY AGAIN

Correct!

The Princess Elisabeth Station is located at an altitude of **1382 m**.

Mount Vinson is the highest peak in Antarctica with an altitude of 4892 m.

NEXT



WHICH OF THESE TYPES OF ICE IS NOT FORMED BY THE ACCUMULATION AND TRANSFORMATION OF SNOW LAYERS ?



Incorrect!

TRY AGAIN

Correct!

Sea ice is formed from frozen sea water.

Glaciers and ice sheets are terrestrial ice formed by the compression of successive layers of snow. Glaciers and ice sheets can flow over the ocean to form ice shelves that gradually break off to produce icebergs.



NEXT



IMAGINE YOU ARE IN ANTARCTICA AT THE END OF NOVEMBER. YOU ARE GETTING READY TO GO OUT ON AN EXPEDITION NEAR THE PRINCESS ELISABETH STATION. WHAT IS THE TEMPERATURE OUTSIDE ?



0 °C

-15°C

-45 °C

-60 °C

Incorrect!

TRY AGAIN

Correct!

The air temperature around the Princess Elisabeth station varies throughout the year from **-50 °C to -5 °C**.

In November, it's the austral summer. In late November 2014, Roger Radoux, the winning teacher of the [Polar Quest 2](#) competition who visited the station, said that it was about **-12 °C to -15 °C**.

NEXT



WHICH OF THESE ANIMALS DOES NOT LIVE IN ANTARCTICA ?



EMPEROR PENGUIN



WEDDELL SEAL



SNOW PETREL



POLAR BEAR

Incorrect !

TRY AGAIN

Correct!

Polar bears live in the Arctic, where they hunt seals on the ice during the winter. They are excellent swimmers, but none has managed to swim all the way to the coast of Antarctica... at least not yet!

NEXT



WHICH ANIMALS CAN WE OBSERVE WITHIN 1 KM OF THE PRINCESS ELISABETH STATION ?



EMPEROR PENGUIN



SNOW PETREL



WEDDELL SEAL

ALL THREE

Incorrect!

TRY AGAIN

Correct!

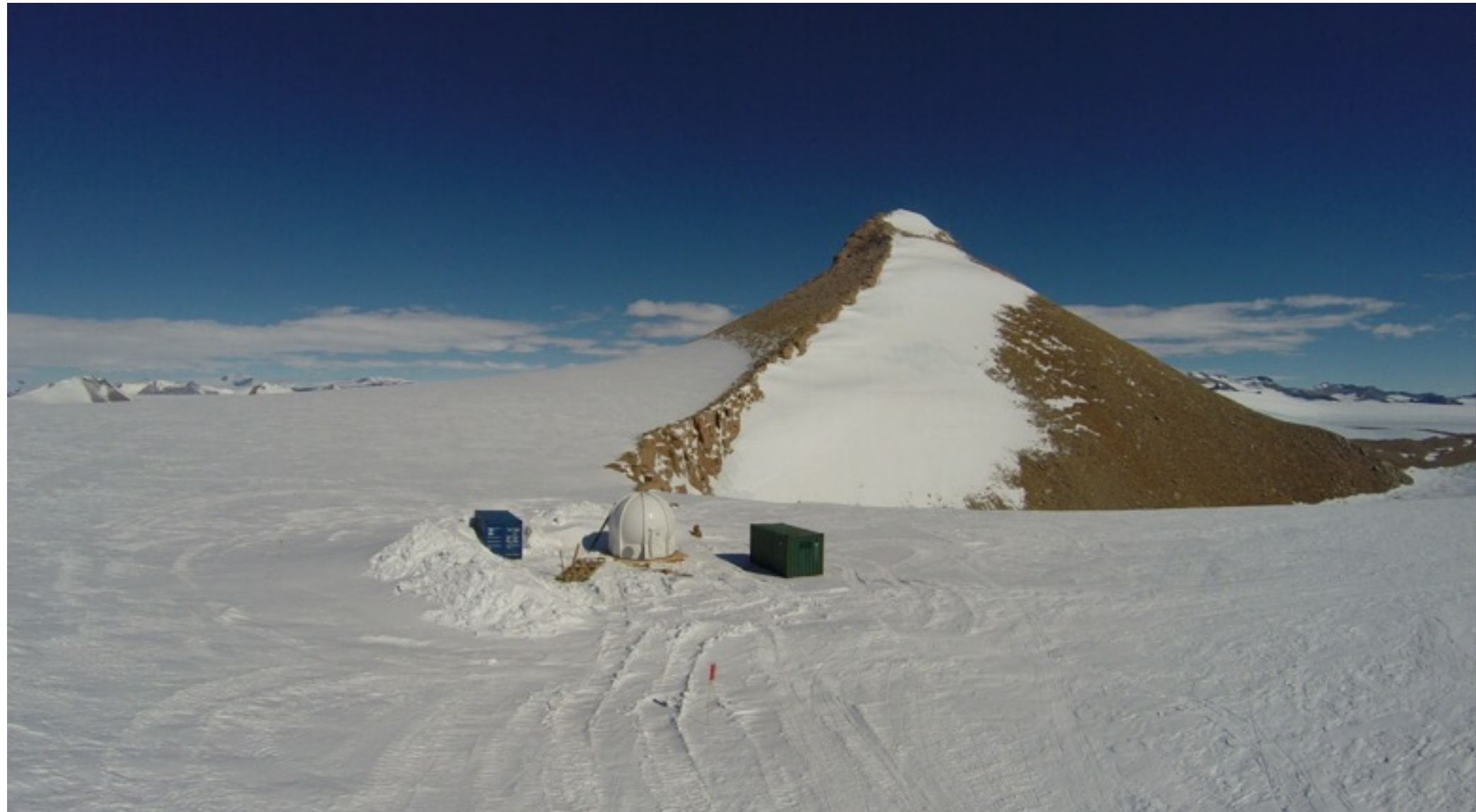
Near the station, there are **snow petrels** and skuas. Snow petrels feed in the ocean and nest on the mainland.

Penguins and seals live at the coast, 220 km from the Princess Elisabeth Station.

NEXT



WHICH TERMS DESCRIBES A SMALL MOUNTAIN TOP PROJECTING FROM A GLACIER OR ICE SHEET ?



ICE SHEET

POLYNYA

ICE SHELF

NUNATAK

Incorrect!

TRY AGAIN

Correct!

Nunatak is a rocky outcrop sticking out of the ice cap.

What do the other words mean ?

Ice sheet

Vast expanses of ice in Greenland and Antarctica

Polynya

An area of open water surrounded by sea ice

Ice Shelf

Extension of ice sheet or glacier which is floating on the sea

NEXT



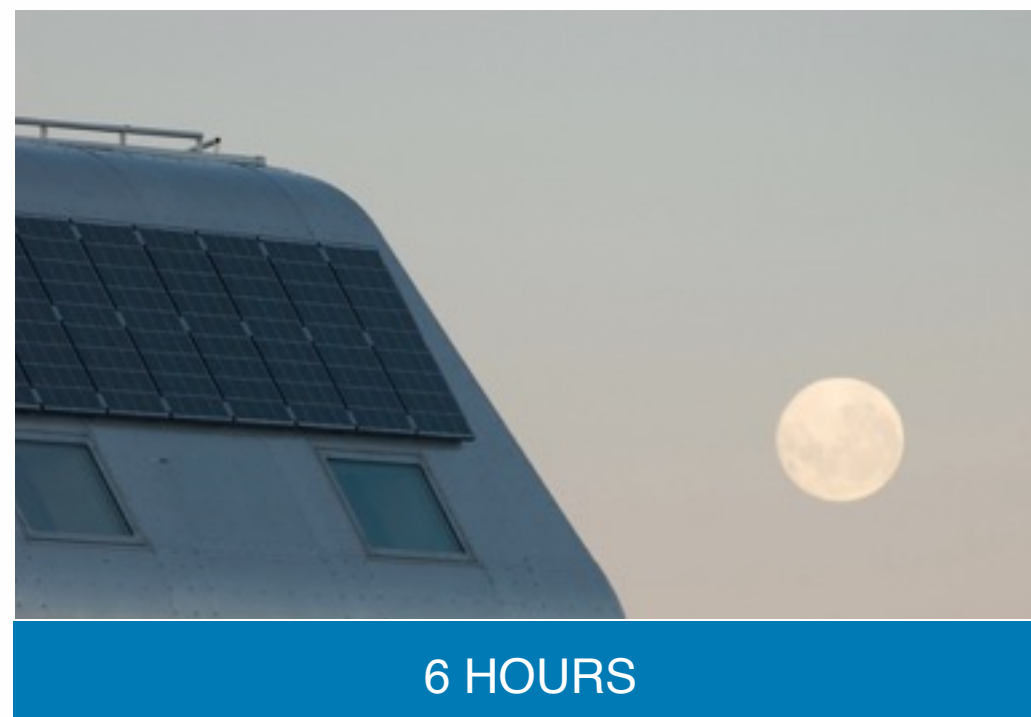
IN DECEMBER AT THE PRINCESS ELISABETH STATION, HOW MANY HOURS OF DAYLIGHT ARE THERE IN A DAY ?



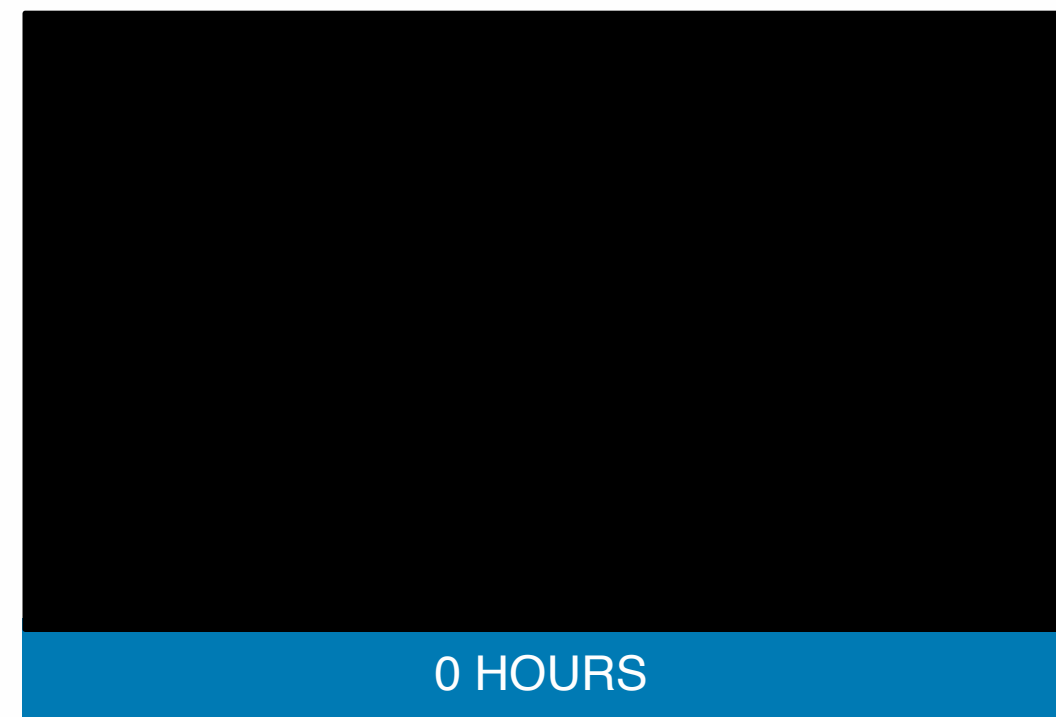
24 HOURS



12 HOURS



6 HOURS



0 HOURS

Incorrect !

TRY AGAIN

Correct!

In December, it's the austral summer. There is 24/24 hour daylight.

During the austral winter (June), there is 24/24 hour darkness.

NEXT



EACH YEAR, ANTARCTICA DAY MARKS THE SIGNING OF THE ANTARCTIC TREATY IN 1959. ON THIS OCCASION, MANY STUDENTS FROM ALL OVER THE WORLD DRAW FLAGS THAT ARE DISPLAYED IN ANTARCTICA. ON WHICH DATE IS ANTARCTICA DAY ?



1 JULY

15 OCTOBER

1 DECEMBER

15 APRIL

Incorrect !

TRY AGAIN

Correct!

Antarctica Day celebrates the signing of the Antarctic Treaty on the 1st December 1959.

The Treaty states that "it is in the interest of all mankind that Antarctica shall continue for ever to be used exclusively for peaceful purposes and shall not become the scene or object of international discord".

Antarctica is a continent for peace and science.

NEXT

Well Done !

You can now do this quiz again or visit www.educapoles.org for other quizzes, teaching files and educational projects for the polar regions, polar science, climate change and sustainable energy.

START AGAIN

A project of:



Supported by the Brussels-Capital Region and Wallonia.

