My local area and Tulum, Mexico

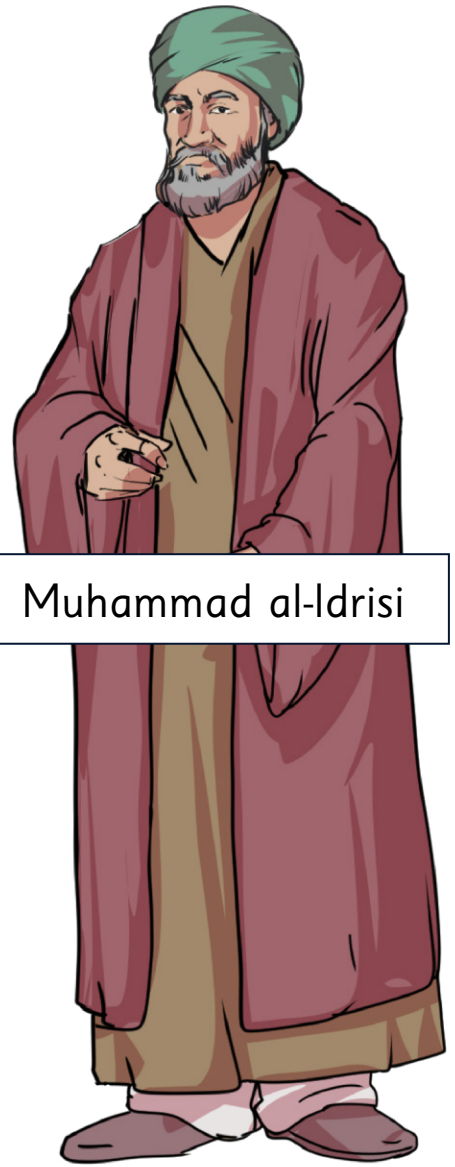
What are the similarities and differences between my local area and Tulum, Mexico?

Lesson 1: Can I use atlases and globes to discover the continents and oceans of the world?





Geographical knowledge and concepts



Muhammad al-Idrisi

Geographical knowledge

- Locational knowledge ✓
- Place knowledge
- Human and physical geography
- Geographical skills and fieldwork ✓

Geographical concepts

- Place ✓
- Space ✓
- Scale ✓
- Physical and human processes
- Interdependence
- Environmental impact
- Sustainable development
- Cultural awareness and diversity

What are the similarities and differences between my local area and Tulum, Mexico?

Can I use globes and atlases to understand about the world?

Lesson 1: Can I use atlases and globes to discover the continents and oceans of the world?

Lesson 2: What are the effects of the equator and the poles on the climate worldwide?

Lesson 3: What are the UK's countries, capital cities and surrounding seas?

How can I represent the geographical features of my local area on a map?

Lesson 4: Where is my local area and what are the key human and physical features?

Lesson 5: Can I create a map of my school using key map features?

Lesson 6: Can I observe and record human and physical features in my local area?

What are the similarities and differences between my local area and Tulum, Mexico?

Lesson 7: Where is Mexico?

Lesson 8: How do the physical features of Tulum compare to my local area?

Lesson 9: How do the human features of Tulum compare to my local area?

Lesson 10: How can we present the information we have gathered to answer the question 'What are the similarities and differences between my local area and Tulum, Mexico?'

Key vocabulary for this lesson



map – a diagram showing where places are located and their features



ocean – areas of salty water that fill enormous basins on the Earth's surface



atlas – a collection of maps in book form



globe – a round or spherical object on which there is a map of the Earth



location – the place where something is



locate – to find where something is

Locational knowledge



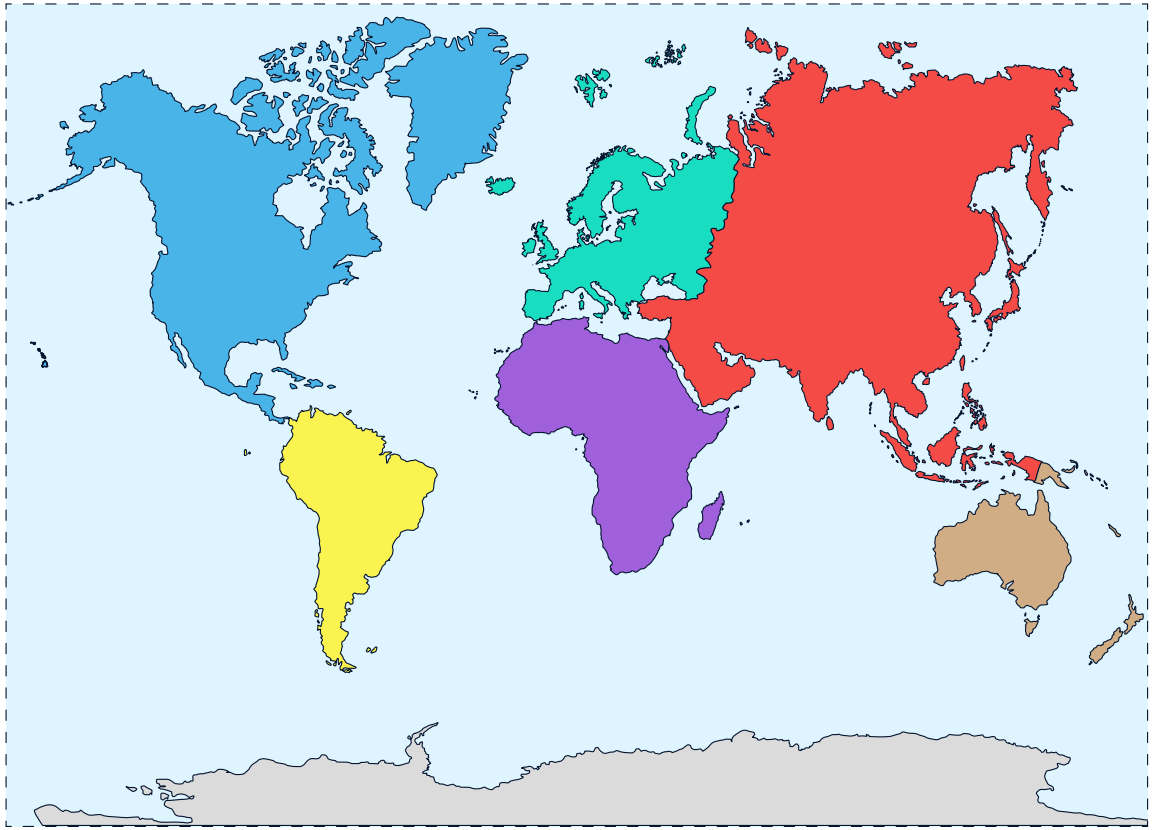
Hello, my name is **Jahan** and I'm a **cartographer**.
That's a long word that means **map** **maker**.
Maps help us understand the world and show us where different places are. I use **globes** and **atlases** to help me draw and check my maps, so people can **learn about our Earth**. Today, we are going to use globes and atlases to find out more about our world.



Continents and oceans of the world

Locational knowledge Place

Can you remember the **names** of the **continents** and **oceans**? **List** as many as you can with your learning partner.



Use these sentence starters to help you:
"The continents are…"
"The oceans are called…"

Be ready to **share your feedback** with the class **before the answers are revealed**.

New word alert!

continent – any of the world's main continuous expanses of land (Europe, Asia, Africa, North and South America, Oceania/Australia, Antarctica)

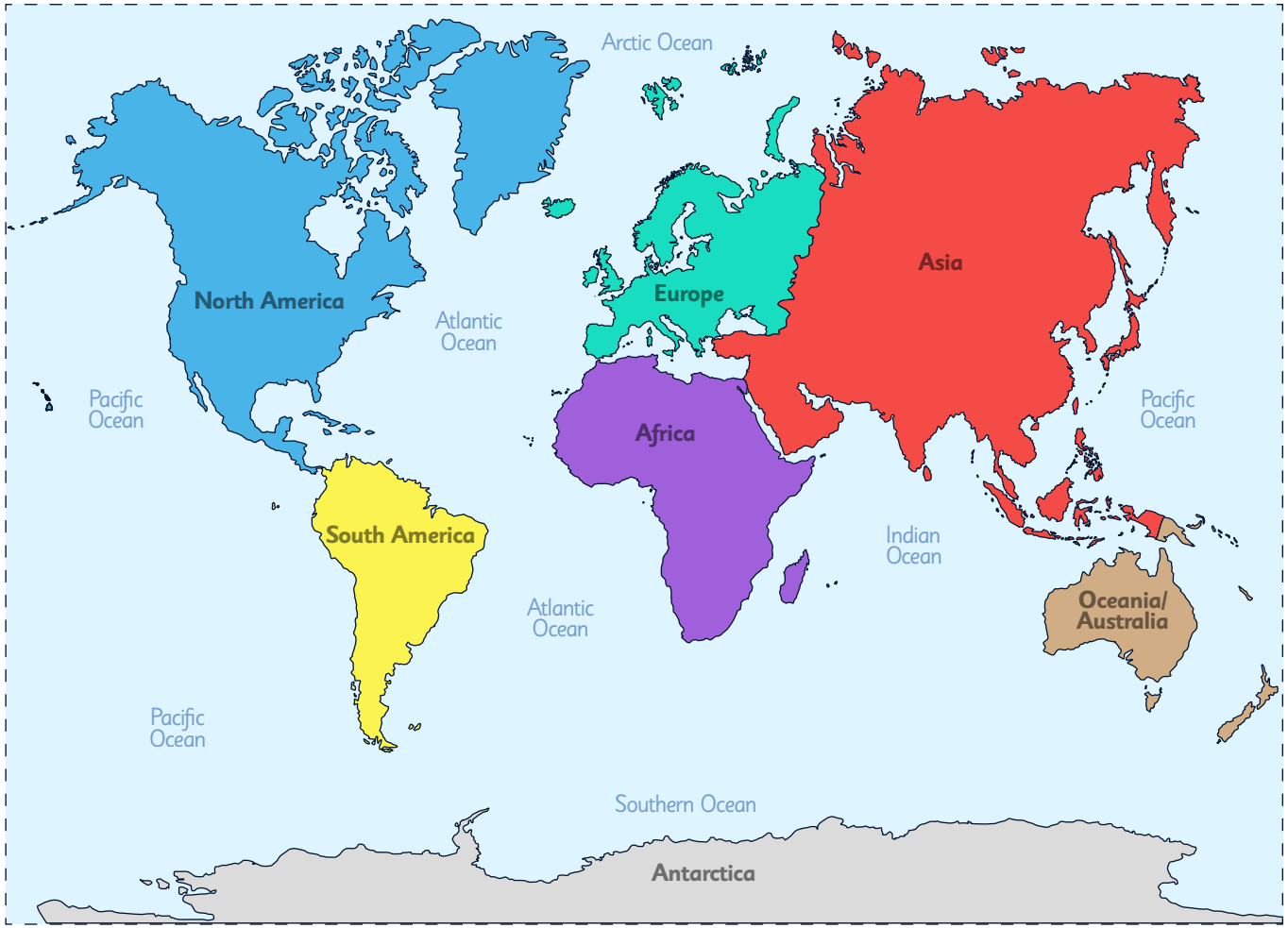
Continents and oceans of the world

answers

Locational knowledge Place



Look at the labelled map.
Did you name **all of the continents** and **oceans** of the world **correctly?**

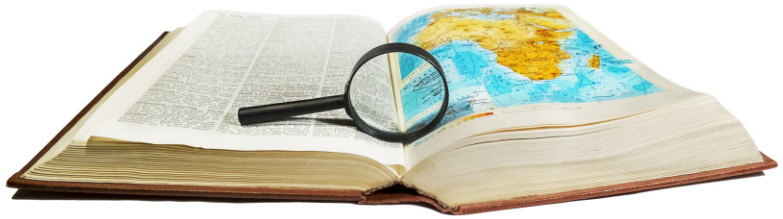


What is an atlas?

An **atlas** is a collection of **maps**. It shows maps of **continents**, **countries** and features such as **oceans**, **rivers, mountains** and **lakes**.

A map is always smaller than the area it represents. **Atlases** use different **scales** to show how big or small areas of the world are.





New word alert!

scale – shows how much smaller a map is compared to the actual size of what is being represented

What is a globe?



A globe  **is a spherical model of the world.**
A globe shows the **world as it looks** when seen **from outer space.**



Did you know?

The word "**globe**" comes from the **Latin word** "**globus**", meaning "**sphere**".

Let's discuss



Look at the atlases and globes on your table.
Discuss the questions below with your learning partner:

- How are atlases and globes different?
- Are the maps in the atlases flat and smooth?
- Is the Earth flat?
- What 3D shape is the globe?
- Why are maps useful?



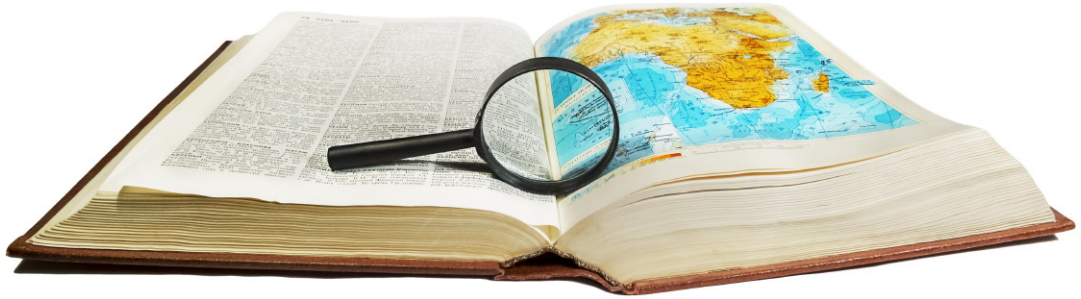
Use these sentence starters to help you:
"The atlases and globes are different because…"
"The maps in the atlases are/are not flat and smooth."
"I think the Earth is/is not flat because…"
"The globe is a _____ shape."
"Maps are useful because…"



Be ready to **share your feedback** with the class.

Let's discuss

answers





Atlases and maps

Maps are **flat and smooth 2D drawings** of our world from above or a **'bird's eye view'.**

Maps are useful because they help us find our way around and show **where different places are** in relation to each other **(distance and direction).**

Globes

Globes are **3D spheres** showing the whole **planet Earth** (you can find globes of other planets too). They are circular because the **Earth is roughly a sphere** in shape.

It can represent **surface features, directions** and **distances more accurately than a flat map.**

Atlas contents page

Geographical skills and fieldwork

The **contents page** is at the **front of the atlas**. It tells us what maps are inside the atlas in order of **page number**. The atlas is usually split into parts to show each continent in more detail.



Open your atlas. Can you find a **map** of the **United Kingdom** using the **contents page**?

World Facts ..... inside front cover

World 6-25
North America 26-31
Canada 32-37
United States 28-49
Middle America 50-55
South America 56-61
Africa 62-67
Europe 68-77
Russia 78-79
Middle East 80-83
Asia 84-95
Australia 96-101
Pacific Rim 102-103
The Arctic 104
Antarctica 105

Map Projections 106-107
Glossary 108-109
Index of Places 110-120
Thermatic Index ..... inside back cover
Abbreviations ..... inside back cover

Atlas index page

The **index** is at the **back of the atlas** .
It lists place names in **alphabetical order**, like **towns**, **cities**, **countries** and **continents** . It tells you all the **page numbers** where you can find each place.



Find the **index** page in your **atlas**. Can you find Mexico?

Index

place name | grid code
Nairobi capital 37 C3
page number
cities and towns are shown in green

place name | grid code
Severn river 18 E3
page number
water features are shown in blue

place name
Switzerland country
pag
countries and states are shown in

A

Aberaeron town 18 C4
Aberdare town 18 D3
Aberdeen town 13 G2
Abergavenny town 18 D3
Abergele town 18 D5
Abertillery town 18 D3
Aberystwyth town 18 C4
Abingdon town 20 C2
Abu Dhabi capital 40 Y1
Abuja capital 34 C3
Accra capital 34 B3
Accrington town 17 E2
Aconcagua mountain 53 B3
A Coruna town 32 C3
Adana town 33 L2
Addis Ababa capital 34 D3
Adelaide town 54 C2
Aden town 40 C2
Adriatic Sea 32 G3
Aegean Sea 33 12
Afghanistan country 41 E4
Africa continent 61 F6
Agra town 41 F3
Ahmadabad town 41 F3
Ahvaz town 40 X3
Airdrie town 15 F3
Ajaccio town 32 F3
Alabama state 47 13
Alaska state 44 C5
Albania country 33 H3
Albany town 47 L5
Albuquerque town 46 E4
Alderney island 19 Z7
Aldershot town 20 D2
Aleppo town 40 B4
Alexandria town 36 C4
Appleby-in-Westmorland town 17 E3
Arabian Peninsula 40 C3
Arabian Sea 41 E2
Arafura Sea 43 F2
Araguaia river 52 E6
Arbroath town 15 G4
Arctic Ocean 60 B9
Ardrossan town 14 E3
Ards Peninsula 14 D2
Arequipa town 52 B5
Argentina country 53 C2
Arizona state 46 D3
Arkansas state 47 H3
Armagh town 14 C2
Armenia country 40 C5
Arran island 14 D3
Aruba territory 49 J2
Arusha town 37 C3
Ashburton town 19 D2
Ashford town 21 E2
Ashgabat capital 41 D4
Ashington town 17 F4
Asia continent 61 H8
Asmara capital 34 D3
Astana capital 38 E5
Asuncion capital 53 D4
Aswan town 36 D3
Asyut town 36 C3
Atacama Desert 53 B4
Athens capital 33 12
Atlanta town 47 J3
Atlantic Ocean 60 D7
Atlas Mountains 35 B4
Augusta town 47 M5
Austin town 46 G3
Australia country 54 B3
Austria country 33 G4
Bari town 33 H3
Barmouth town 18 C4
Barnard Castle town 17 F3
Barnet town 20 D2
Barnsley town 17 F2
Barnstaple town 19 C3
Barquisimeto town 52 C8
Barra island 12 B1
Barranquilla town 52 B8
Barrow-in-Furness town 16 D3
Barry town 18 D3
Basel town 32 F4
Basildon town 21 E2
Basingstoke town 20 C2
Basra town 40 X3
Bath town 20 B2
Bathgate town 15 F3
Baton Rouge town 47 H3
Bay of Bengal 41 G2
Bay of Biscay 32 D4
Bayonne town 32 D3
Beachy Head 21 E1
Beauly town 13 E2
Bedford town 20 D3
Bedford Levels region 20 D3
Beijing capital 42 D7
Beirut capital 40 B4
Belarus country 31 L3
Belem town 52 E6
Belfast town 14 D2
Belgium country 30 G3
Belgrade capital 33 13
Belize country 48 G3
Belmopan capital 48 G3
Belo Horizonte town 52 E5
Ben Alder mountain 13 E1
Benbecula island 12 B2
Bogno
Bogot
Boise
Bolivia
Bologn
Bolsov
Bolton
Bolzan
Bonn
Bordeq
Borneq
Bosnia
Boston
Boston
Botswa
Bourn
Brackn
Bradfo
Braem
Braga
Brahm
Braint
Brasili
Brasov
Bratisl
Brazil
Brazili
Brazos
Brazza
Brecon
Brecon
Bremer
Brentw
Brest
Brest
Bridge
Bridge

Map skills

Locational knowledge

Geographical skills and fieldwork



Hi, my name is **Allisandra** and I'm a **geographer**.

That means I study the Earth. I look at where things are and how they are spread out across our planet. It's kind of like being a detective who figures out how the Earth is put together!

You are going to use your **atlas** or **globe** to **locate** the world's **continents** and **oceans** .

Stop and jot



Use your atlas to locate as many of the seven **continents** and five **oceans** as **you can**. **Tick** your **stop and jot worksheet** to record when you have found each one and if you used the **contents** or **index page** to help you.

Be ready to **share your feedback** with the class **before the answers are revealed**.

Stop and jot

As you **locate each continent** and **ocean**, tick it off your list. **Remember** to use the **contents and index page** to help you and tick off which one you used!

Continent or ocean	Located	Contents page	Index page
Africa			
Europe			
North America			
South America			
Antarctica			
Oceania/Australia			
Asia			
Atlantic Ocean			
Southern Ocean			
Indian Ocean			
Arctic Ocean			
Pacific Ocean			

Stop and jot

answers

Locational knowledge Place



This is Africa. Its longest river is the **Nile.** Its largest desert is the **Sahara.**

If you didn't locate Africa, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

answers

Locational knowledge | Place



This is Europe. Its longest river is the **Volga River** in Russia. Only 23% of Russia is in Europe – the rest is in Asia!

If you didn't locate Europe, you can now **tick it off on your stop and jot worksheet.**

Did you know?

Armenia, Azerbaijan, Cyprus, Georgia, Russia and Turkey are on the **border of Europe** and **Asia!** They will appear in **both maps.**



Stop and jot

answers

Locational knowledge Place



This is North America. It has a population of around **592 million** (2021.) Its longest river is the **Missouri River.**

If you didn't locate North America, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

answers

Locational knowledge Place



This is South America. It has a population of **434 million** (2021.) Its longest river is the **Amazon River.**

If you didn't locate South America, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

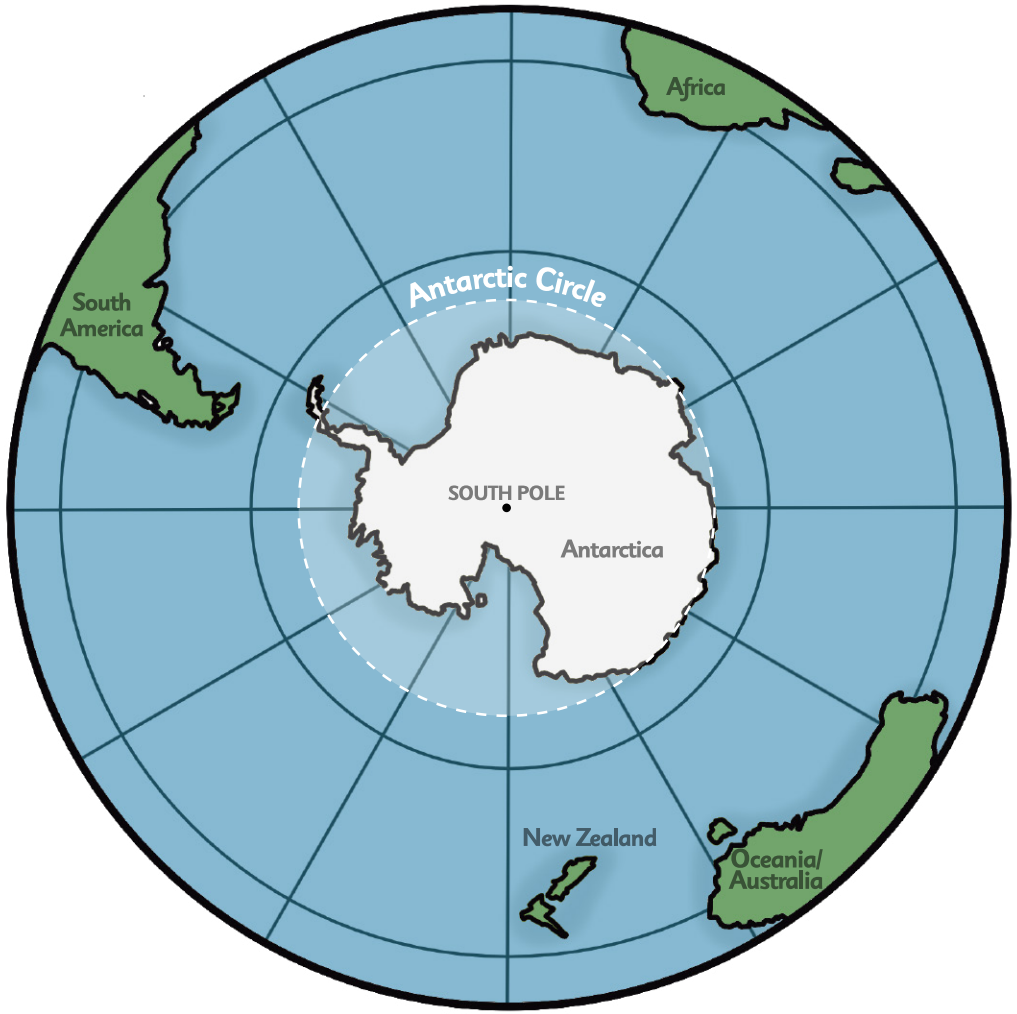
answers

Locational knowledge Place



This is Antarctica. It has **no permanent population.** It has **no individual countries.**

If you didn't locate Antarctica, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

answers

Locational knowledge Place



This is Oceania. It is a region which includes the **continent Australia** and its neighbouring islands. It has a **population of around 44 million**. Its longest river is the **Murray River**.

If you didn't locate Oceania/Australia, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

answers

Locational knowledge Place



This is Asia. It has a population of around **4.7 billion** (2021.) Its longest river is the **Yangtze River** in China.

If you didn't locate Asia, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

answers

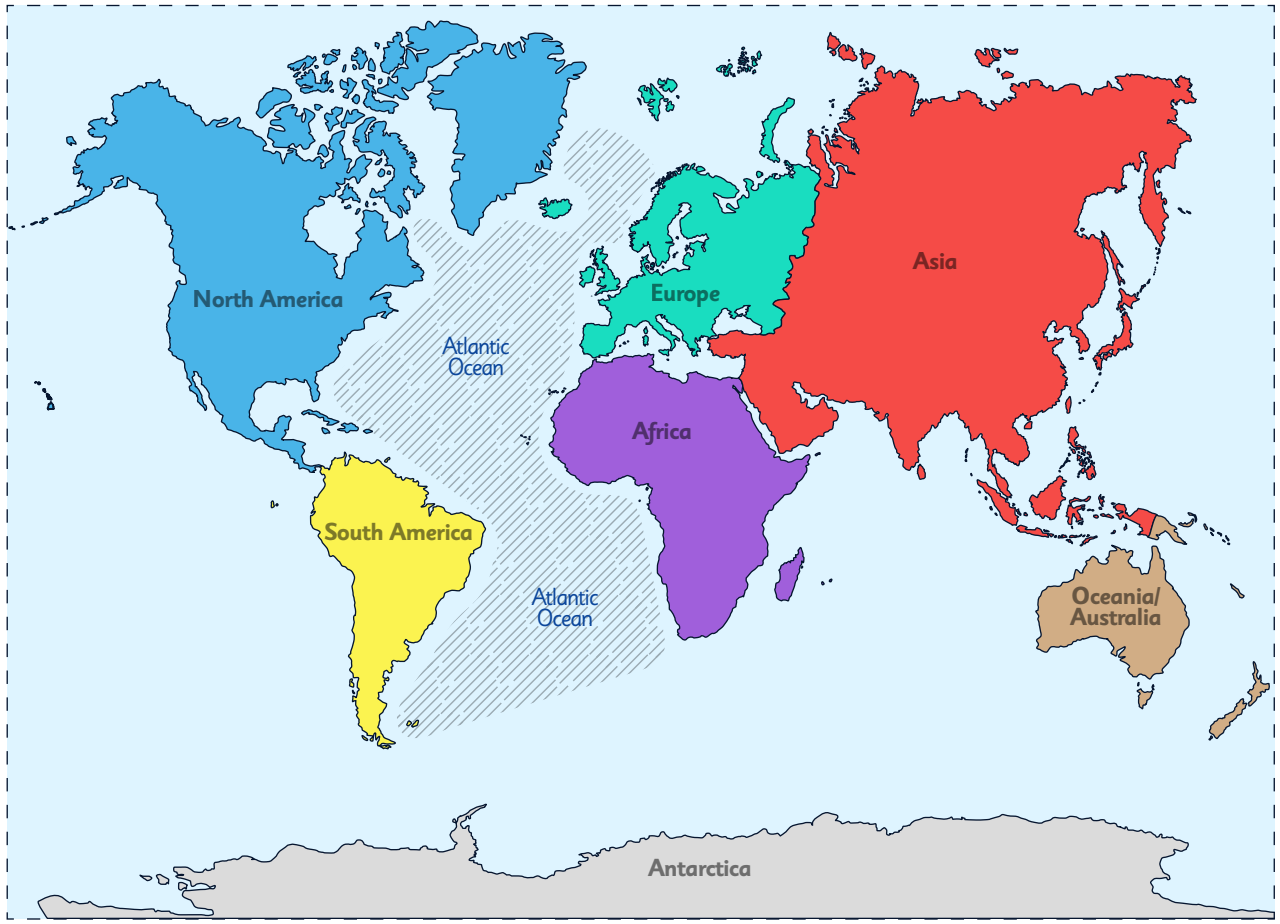
Locational knowledge

Place



This is the Atlantic Ocean. It is the second largest ocean and is half the size of the Pacific Ocean.

If you didn't locate the Atlantic Ocean, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

answers

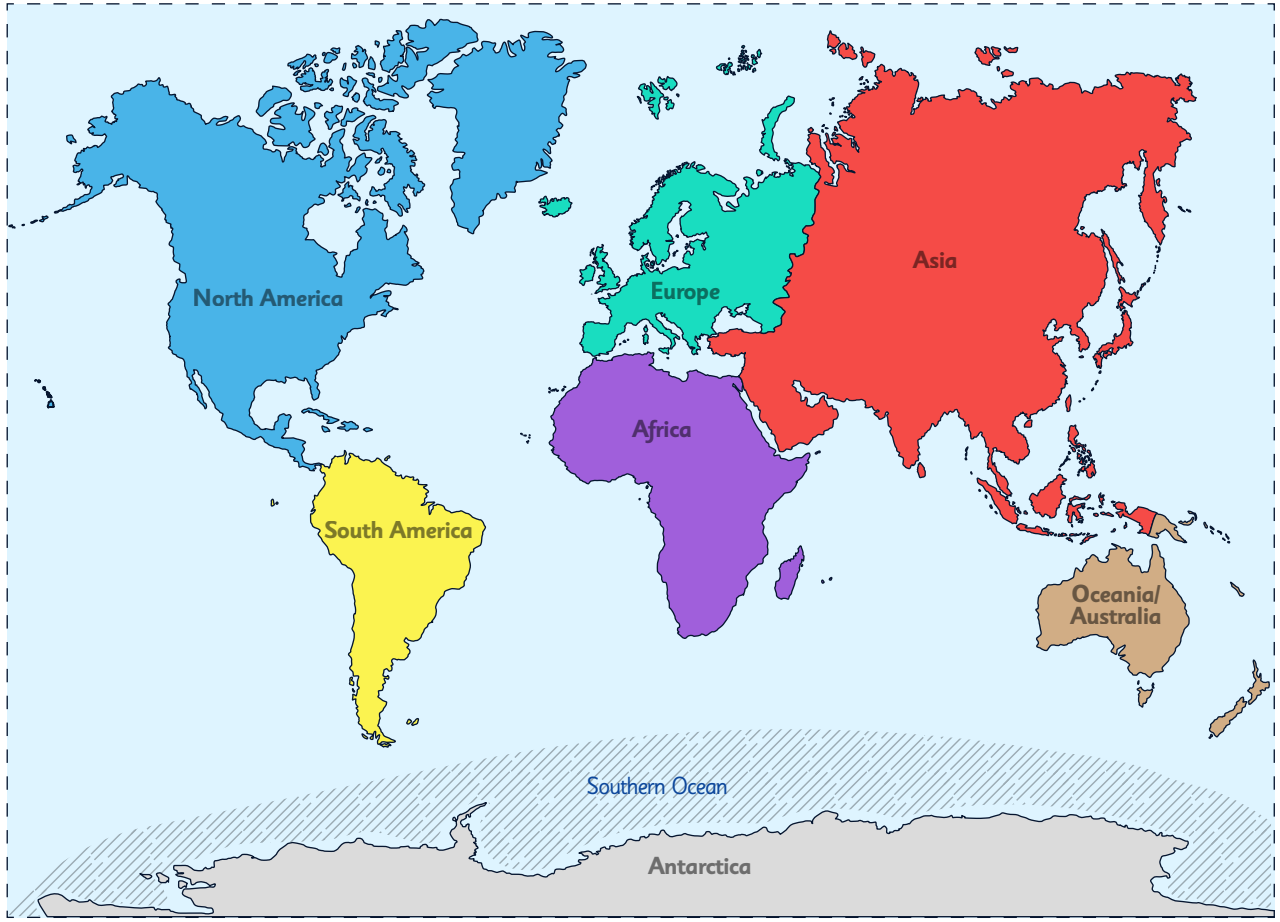
Locational knowledge

Place



This is the Southern Ocean. It is the second smallest ocean. It is the coldest ocean.

If you didn't locate the Southern Ocean, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

answers

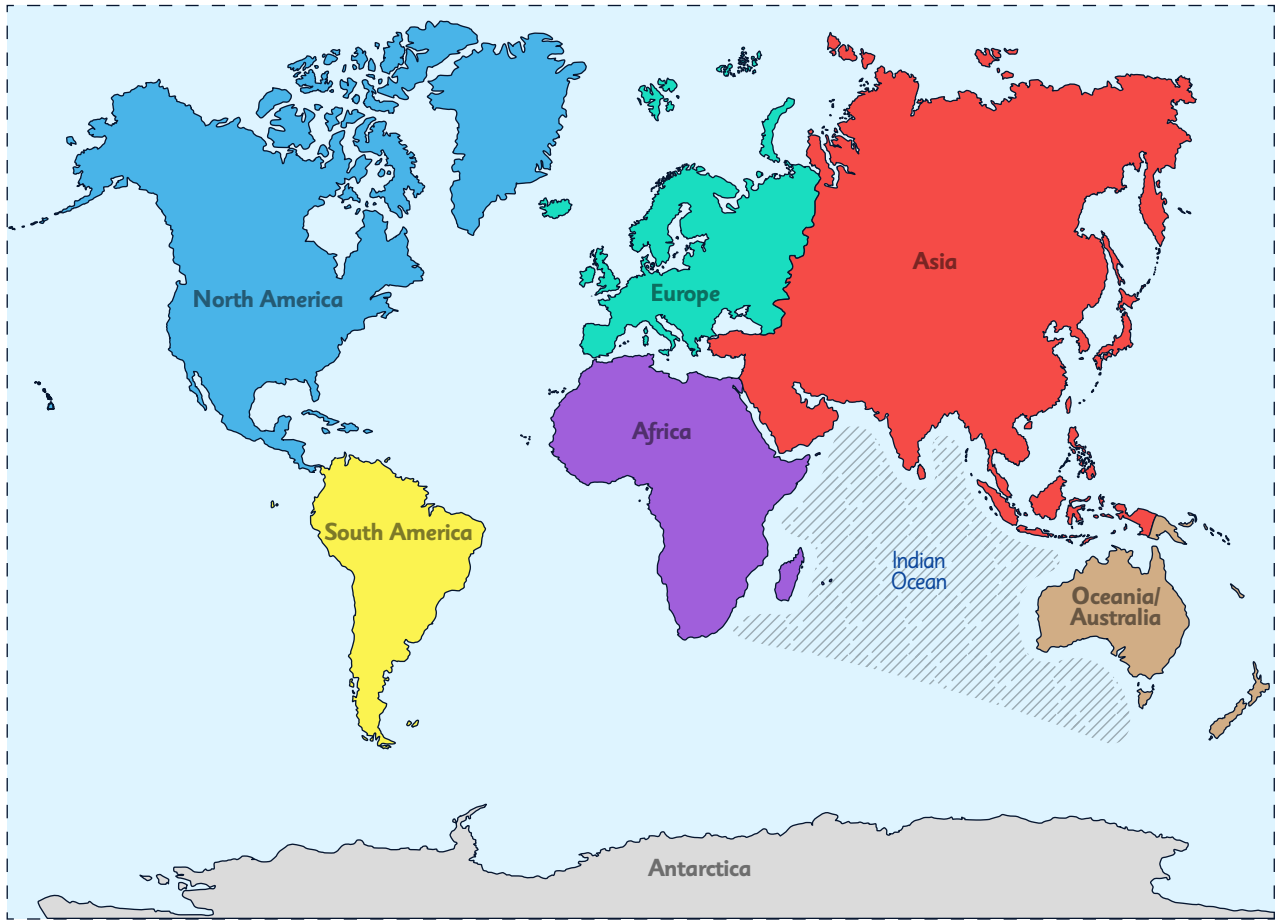
Locational knowledge

Place



This is the Indian Ocean. It is the third largest ocean. It is found to the west of Australia.

If you didn't locate the Indian Ocean, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

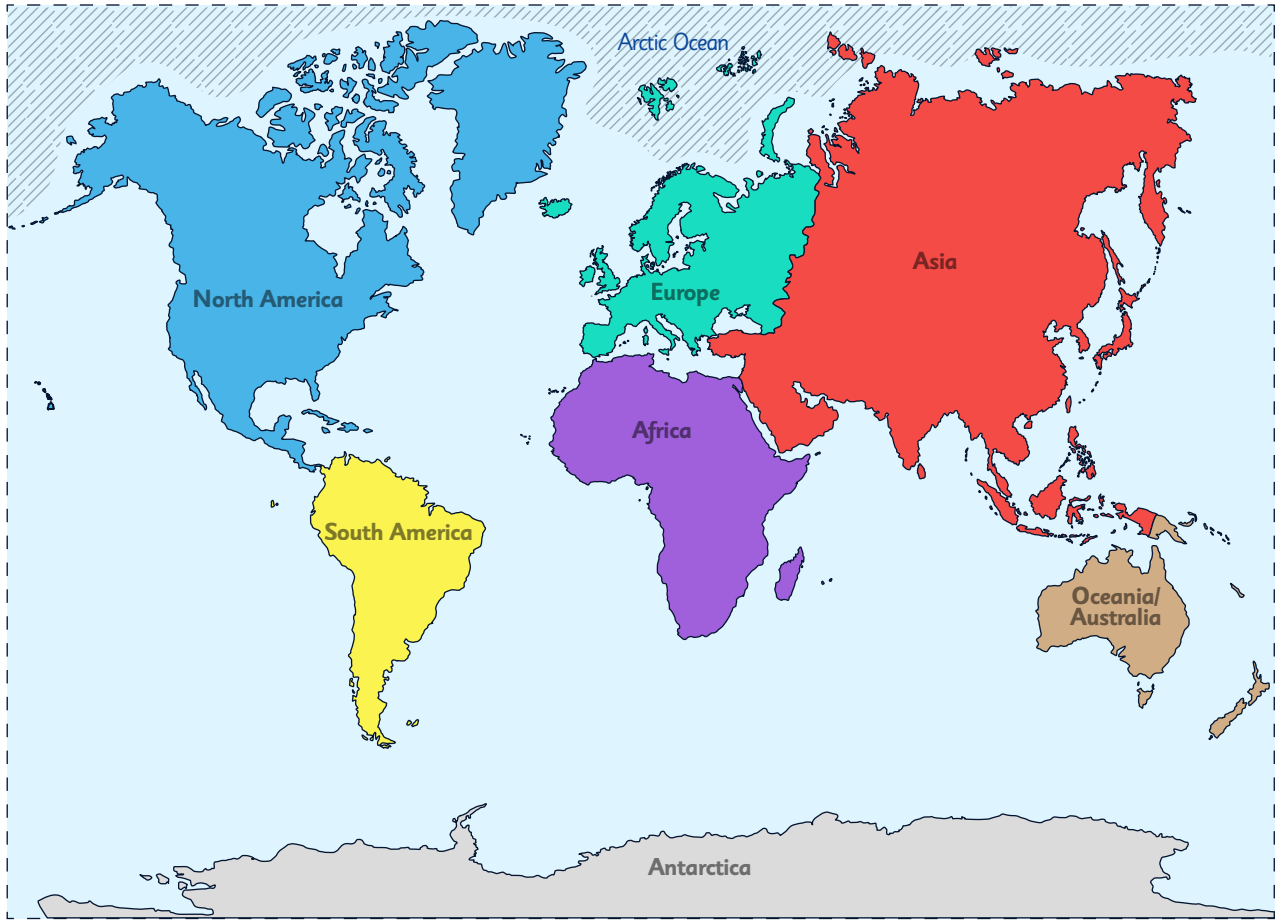
answers

Locational knowledge Place



This is the Arctic Ocean. It is the smallest ocean. Polar bears live on its ice in the winter.

If you didn't locate the Arctic Ocean, you can now **tick it off on your stop and jot worksheet.**



Stop and jot

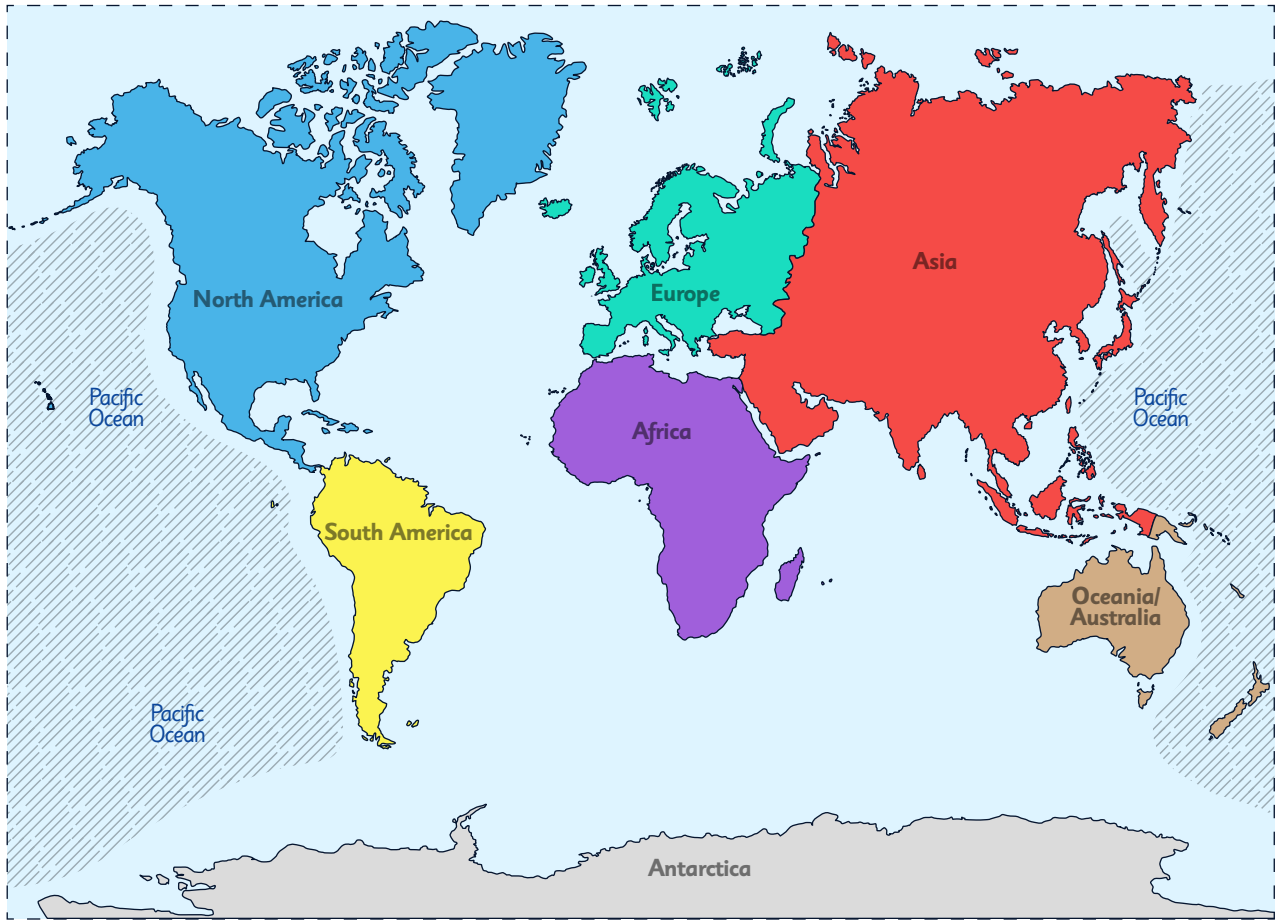
answers

Locational knowledge | Place



This is the Pacific Ocean. It is the largest ocean. It is home to the Great Barrier Reef, the biggest coral reef in the world.

If you didn't locate the Pacific Ocean, you can now **tick it off on your stop and jot worksheet.**



Activity

Locational knowledge

Geographical skills and fieldwork



Locate and **label** each **continent** and **ocean** on your **activity worksheet**.

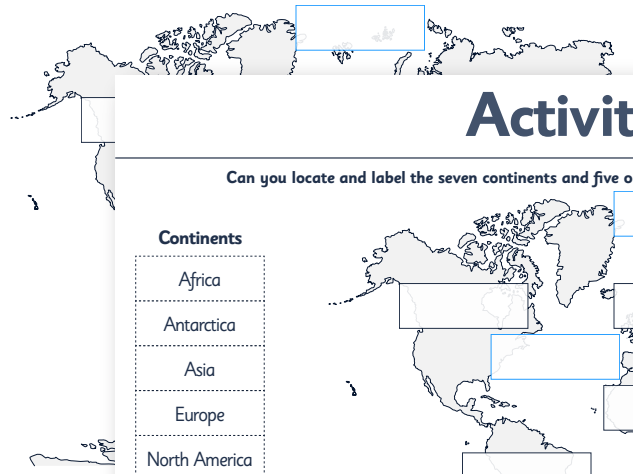
Activity

Once you have located the continents and the oceans, can you use your atlas or globe to find three countries in the continents below? An example has been done for you.

Continent	Country 1	Country 2	Country 3
			Ethiopia

Activity

Label the **seven continents** and **five oceans** on the map using your **atlas** or **globe** to help you.

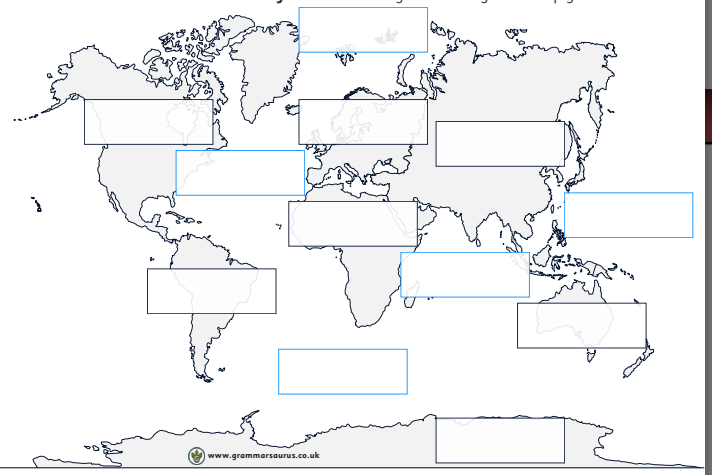


Activity

Can you locate and label the seven continents and five oceans? Use your atlas or globe to help you.

Continents

- Africa
- Antarctica
- Asia
- Europe
- North America
- Oceania/Australia
- South America

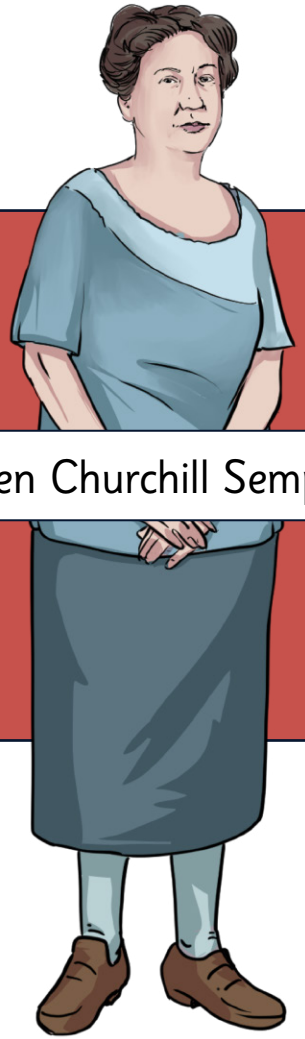


Oceans

Pacific Ocean | Atlantic Ocean | Southern Ocean | Arctic Ocean | Indian Ocean

Challenge

Locational knowledge | Place | Space



Ellen Churchill Semple

Discuss the following question
with your learning partner.

Imagine you are flying in a rocket ship around the world! You see the largest ocean on Earth below you. Can you name it? Can you spot which **continent** is the biggest too?

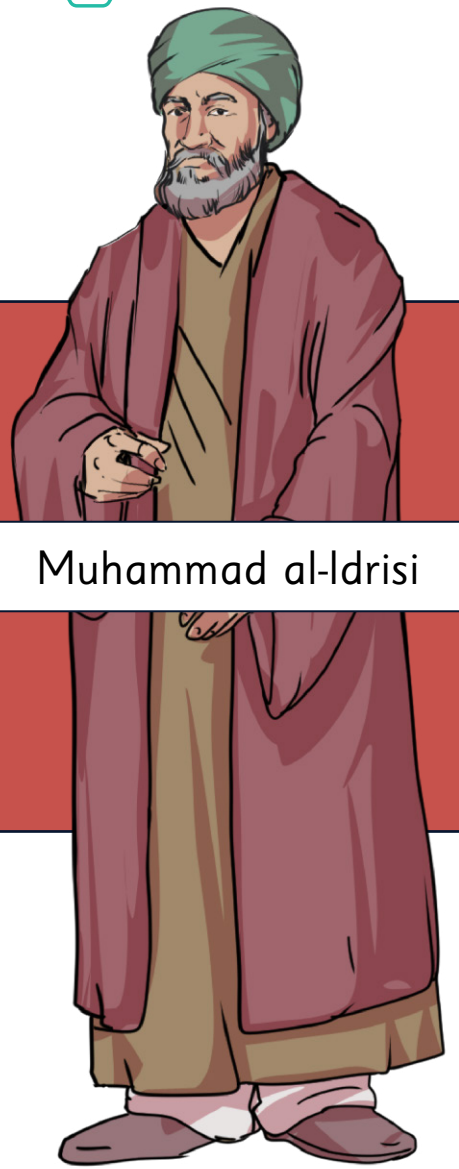
Use these sentence starters to help you:

"The largest ocean is…"

"The biggest continent is…"

Can you describe where they are located, in relation to other continents and oceans?

Be ready to **share your feedback** with the class



Muhammad al-Idrisi

Challenge answers

Locational knowledge · Place · Space



Muhammad al-Idrisi

"The largest ocean is the Pacific Ocean."

"The biggest continent is Asia."

