

Spherical Bodies

twinkl

Aim

- I can explain why we know the Sun, Earth and Moon are spherical.
- I can identify scientific evidence which does or does not provide evidence for an idea or argument.

Success Criteria

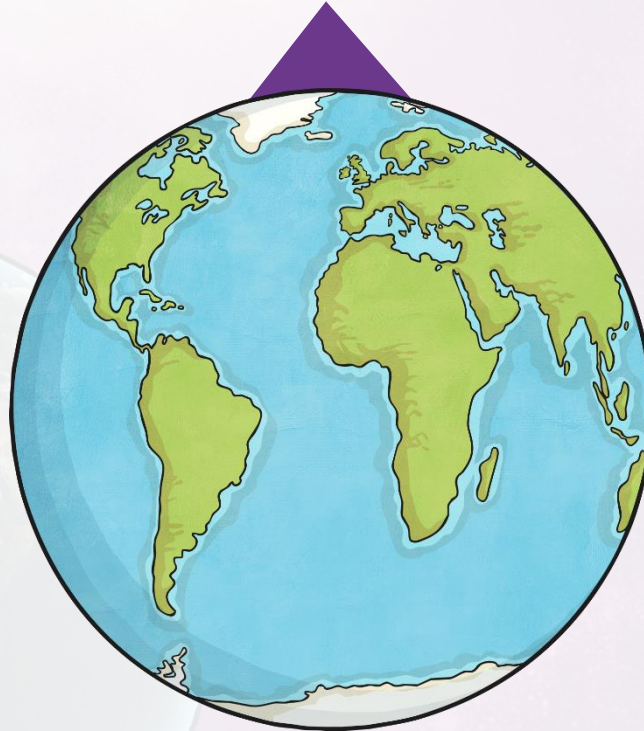
- I can describe a sphere.
- I can describe the Sun, Earth and Moon as spherical.
- I can name at least two different shapes the Earth was thought to be.
- I can identify scientific evidence with support.
- I can identify scientific evidence.
- I can identify scientific evidence that has been used to support or refute ideas.

Ideas and Evidence



What shape is hidden under this globe?

What is your evidence?



Shape of the Earth



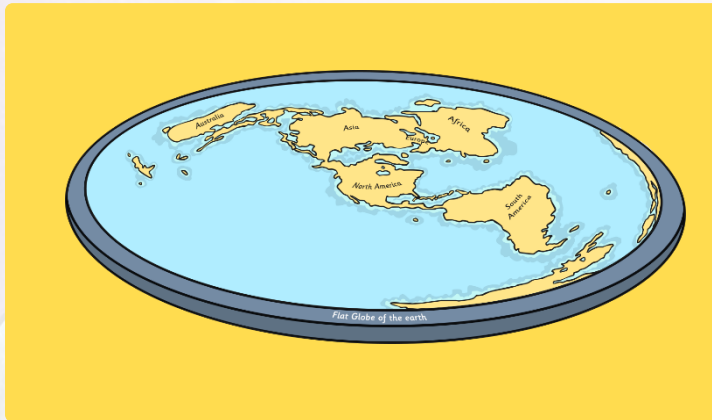
What shape is the Earth?

But...

What can you actually see? What is your evidence?

Flat Earth Versus Spherical Body

What are the arguments for a flat Earth?



What are the arguments for a spherical Earth?



Read through the **Shape Of The Earth Evidence Cards**.

Sort the evidence into two groups – one that supports the idea that the Earth is flat and the other that supports the idea that the Earth is a sphere.

Evidence for Flat Earth Theory



From Ancient times people have believed in a flat Earth based on what it looks like to them.



The Ancient Chinese believed in a flat Earth.



Some people believe that maps are wrong and that ships sail around the land not the world.

Evidence for Spherical Earth Theory



Sailors made observations about the position of the Sun and stars.



Ships have sailed all the way around the world.



Planes have flown around the world and never seen the edge.



Observations of ships sailing across the horizon.



Shadows cast by the Earth on the moon.



Pictures of Earth viewed from Space.

Which idea has the most evidence to support it?

What do you think based on the evidence?

Explanation – Activity 2

Write an explanation about the shape of the Earth and what different people have believed over time and why. Use the vocabulary and sentence starters below to help you.

Enquiry Question: **How do we know what shape the Earth is?**

WILF: I can explain why the Sun, Earth and Moon are spherical.

I can identify scientific evidence which does or does not provide evidence for an idea or argument.

Key Words:	square
flat	spherical
sphere	observations
evidence	support
change	ideas
refute	circle

Sentence starters:

It was believed that ____ Some people think that ____

In the past ____ The evidence supports the idea ____

The evidence from ____ shows ____

In addition, there is evidence ____

It is clear from the evidence of ____ that ____

