

Thursday 14th January 2021

LO: I understand that the Earth,
Sun and Moon are all spherical.

Scientific evidence

It is only in the last 60 years that we have been able to get photographic evidence from space for the Earth being spherical.

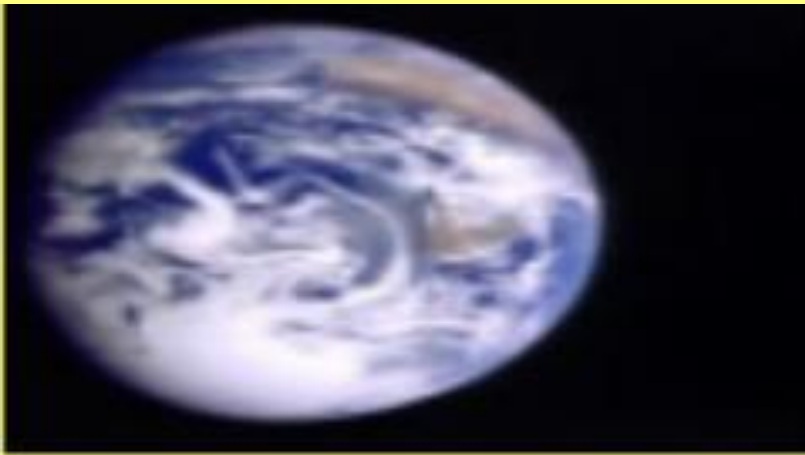
People thought the Earth was spherical long before this. Where do you think the scientists got their evidence for this?

Africa from space



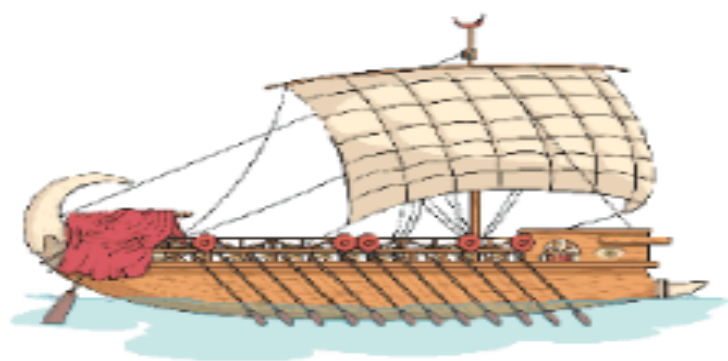
What shape is the Earth?

Many people believe that the Earth is spherical in shape with this concept being around for many years but alternatively many others feel that the Earth is flat. Watch the two videos and make your own informed decision.



Consider the evidence in the two clips. What do you think?

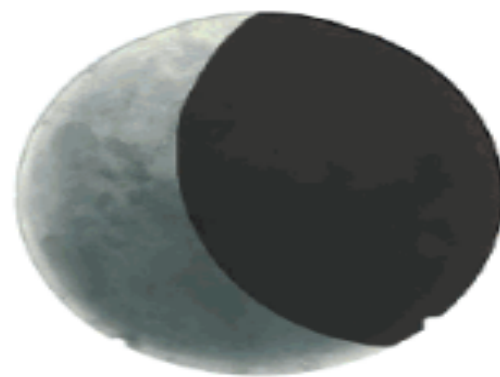
Which piece of evidence is the most important in proving the Earth is spherical? Circle just one.



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



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



Shadows cast by the Earth on the Moon during a lunar eclipse.



Ships have sailed all the way around the world.



Observations of ships sailing across the horizon.



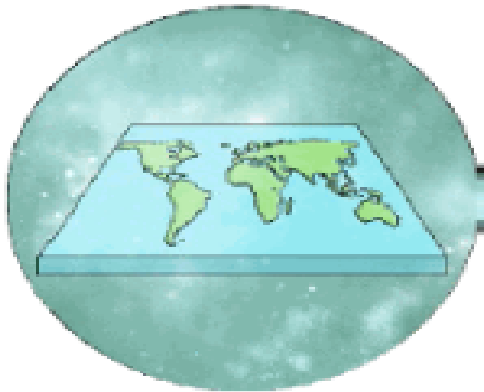
Pictures of Earth viewed from space.

Why have you made the choice you have?

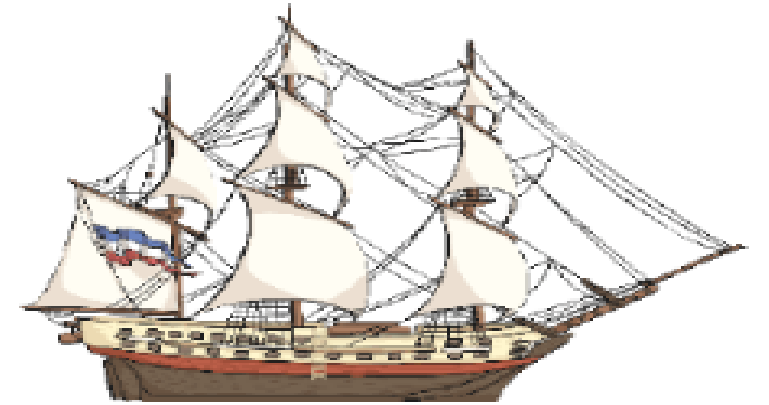
Evidence for Flat Earth Theory



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.

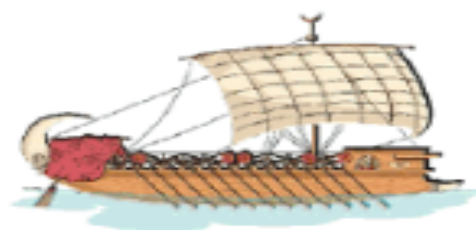


Some people believe that maps are wrong and that ships sail around the land not the world.

Some of the evidence people use to inform their decision that the Earth is flat.

What do you think?

Evidence for Spherical Earth Theory



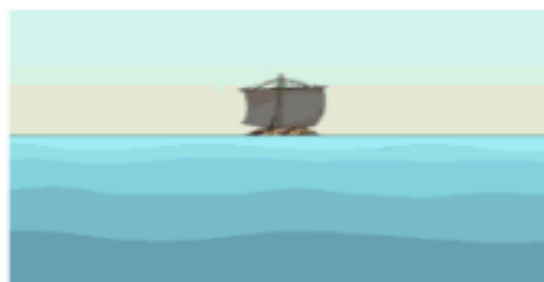
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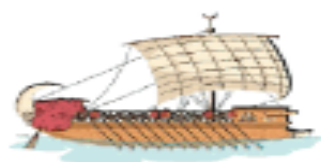


Observations of ships sailing across the horizon.

Evidence commonly used to suggest that the Earth is spherical.

What do you think?

Evidence for Spherical Earth Theory



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Observations of ships sailing across the horizon.



Shadows cast by the Earth on the Moon during a lunar eclipse.



Pictures of Earth viewed from Space.

I think the strongest evidence that the Earth is spherical is _____

My first reason for this is _____

My second reason for this is _____



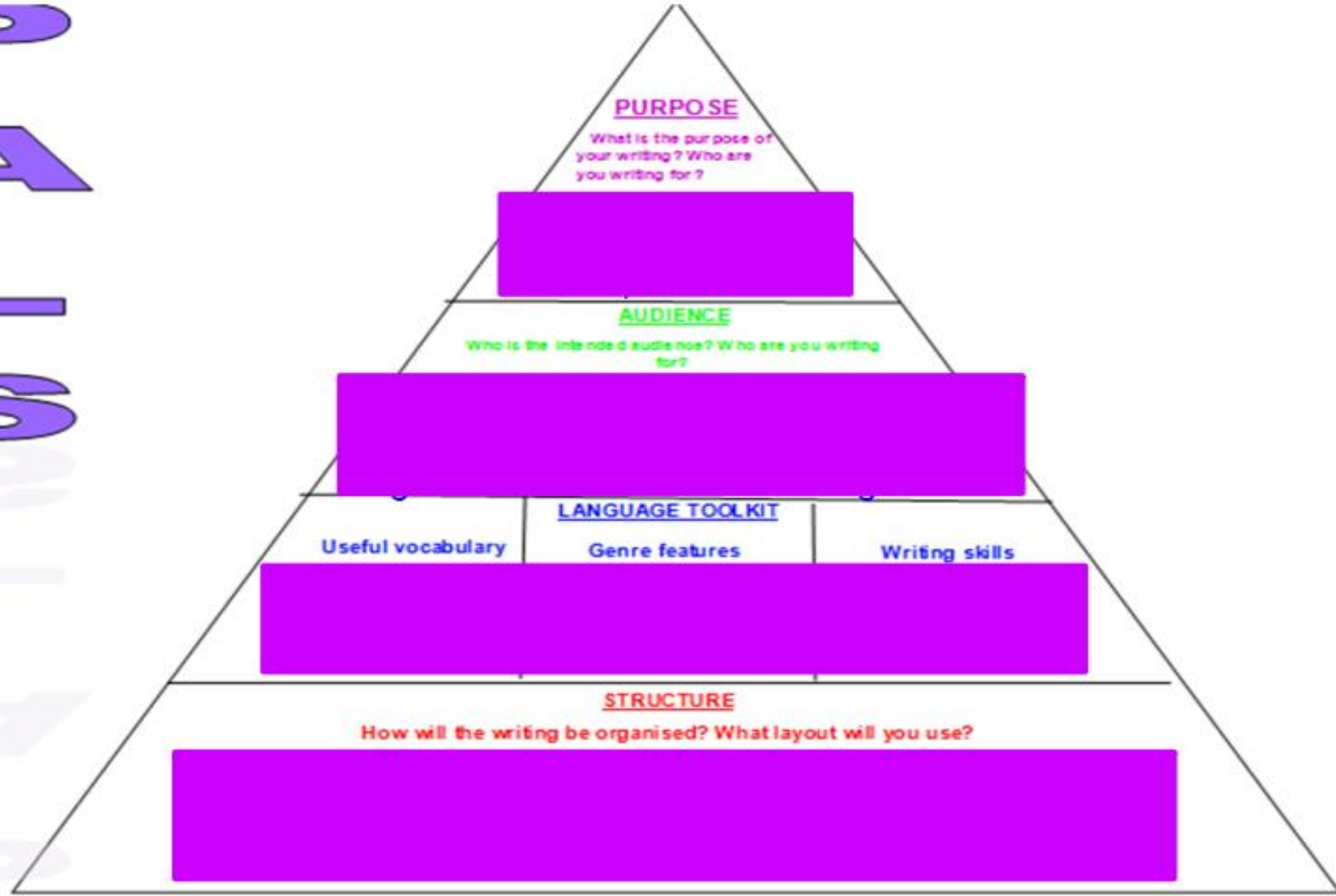
Earth, Sun and Moon

Thursday 14th January 2021

L.O. Writing a persuasive letter using scientific understanding .

Your task is to write a persuasive letter to 'The Flat Earth Society' explaining your reasons for believing the Earth is spherical.





Dear John Davis,

During our Science lessons, we have been scientifically investigating the theories about the shape of the Earth. I wanted to write to you to outline my opinions on the evidence, and to ask for your thoughts.

It has long been believed that the Earth is spherical. The first piece of evidence for this is...

Useful words:

Firstly...

Secondly...

In my opinion...

Some believe that...

I feel that...

I am sure that...

It is certain...

Therefore...

Moreover...

For this reason...

can could may might will

would shall should must ought

Dear John Davis,

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It has long been believed that the Earth is spherical. The first piece of evidence for this is...

Main Idea/Title:

Introduction

Argument 1

Argument 2

Argument 3

Conclusion