

Welcome to GCSE Geography



Where will it take us today?

	A01: Knowledge	A02: Understanding	A03: Application of K&U
Comprehensive	good range detailed and accurate fully relevant to the Qn	good range detailed and accurate fully relevant to the Qn	detailed & accurate analysis substantiated judgements substantiated evaluation
Thorough	range accurate relevant to the Qn.	range accurate relevant to the Qn.	accurate analysis supported judgements supported evaluations
Reasonable	some relevant to the Qn.	some; relevant to the Qn	some accuracy partially supported judgement partially supported evaluation
Basic	limited relevant knowledge	limited but relevant	limited analysis unsupported judgement unsupported evaluation



adageogjoe
@adageogjoe
#geography teacher @ H.A.D. Tweeting useful links about all things geographical.
West Midlands, England
Joined Feb 2017

TWEETS 799 FOLLOWING 76 FOLLOWERS 132 LISTED 2

[Edit profile](#)

GEOGRAPHY Home KS3 **KS4** Links Twitter Games! GeoLingo Key Dates More... 🔍 👤

Welcome!

OCR B GCSE 9-1: Geography for Enquiring Minds

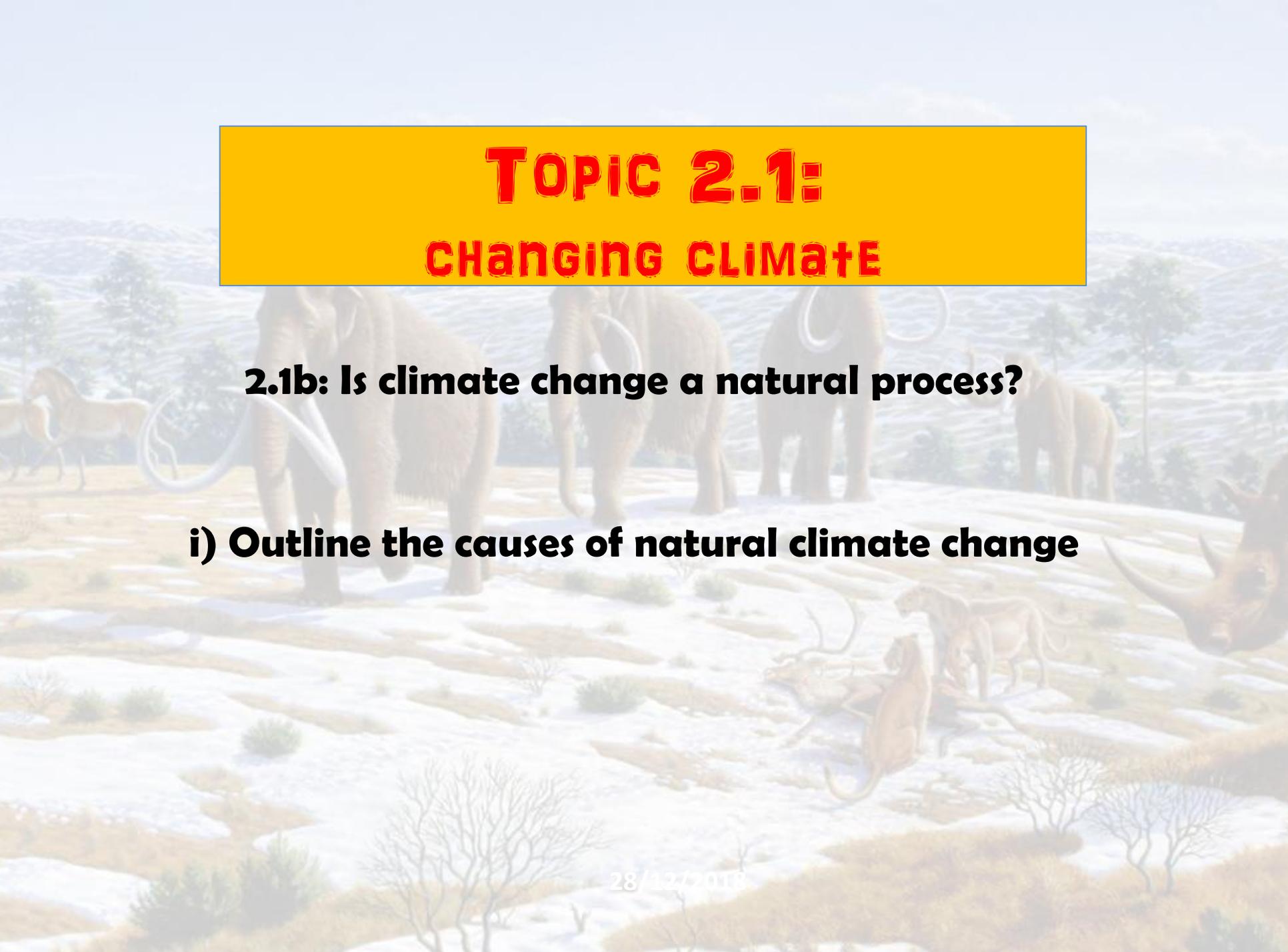
Use the links below to navigate to your current GCSE geography topic

- [Global Hazards](#)
- [Changing Climate](#)
- [Distinctive Landscapes](#)
- [Sustaining ecosystems](#)
- [Urban Futures](#)
- [Dynamic Development](#)
- [UK in the 21st century](#)
- [Resource Reliance](#)
- [Y11 Revision Resources](#)

The G.C.S.E geography course in a nutshell [well... a one page summary]

 [gcses_9-1_geography_news.pdf](#)
Download File

1	G	3c
		3b
		3a
2	F	4c
		4b
		4a
3	E	5c
		5b
		5a
4	D	6c
		6b
		6a
5	C	7c
		7b
		7a
6	B	8c
		8b
		8a
7	A	EP
		EP
		EP
8	A*	EP
		EP
		EP
9	A*	EP
		EP
		EP

A prehistoric landscape illustration featuring several mammoths in the foreground and middle ground. In the background, there are other animals like horses and a rhinoceros. The terrain is hilly with sparse vegetation and a clear sky.

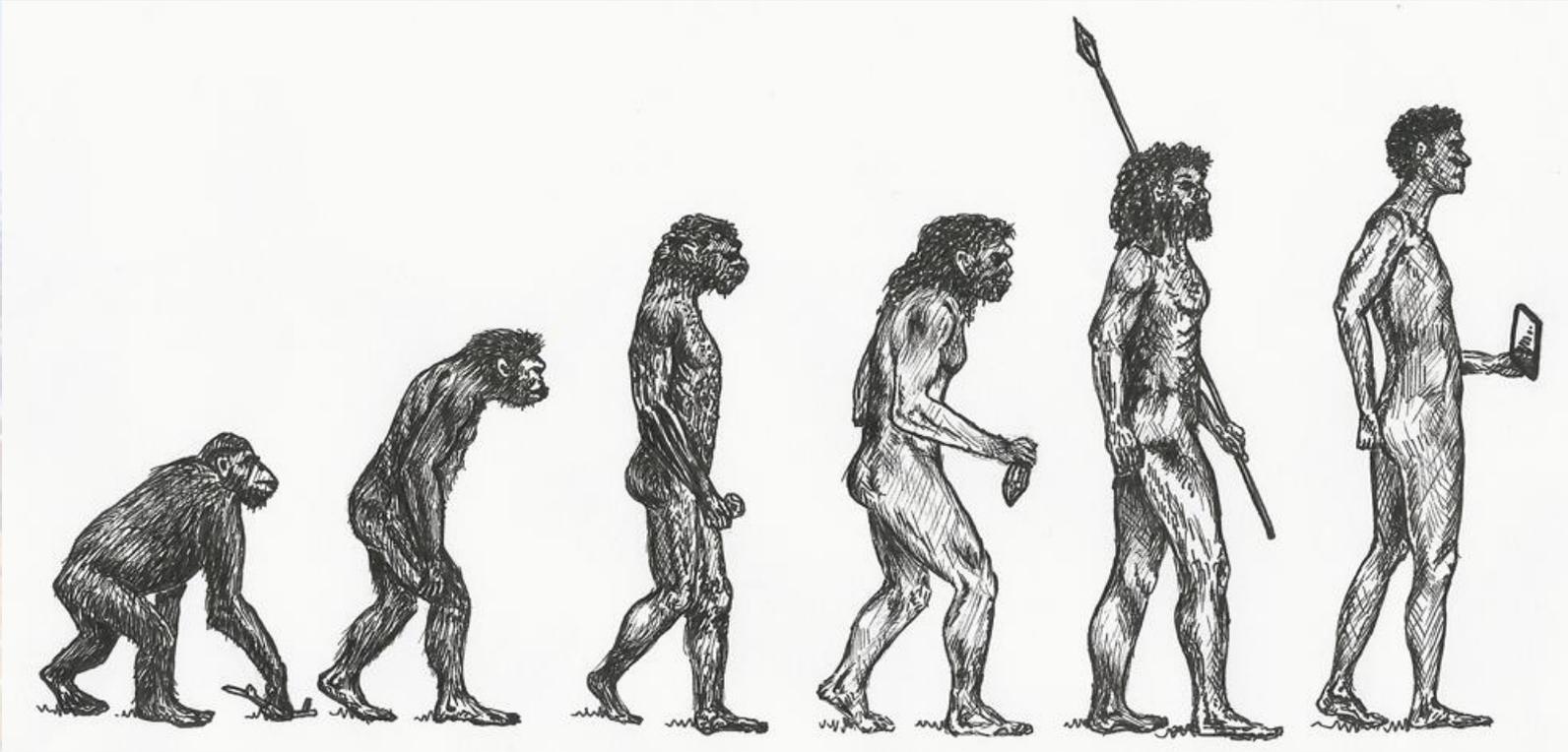
TOPIC 2.1:

CHANGING CLIMATE

2.1b: Is climate change a natural process?

i) Outline the causes of natural climate change

Mea Culpa?



'Hang on a minuteHumans were not around for most of the many periods of climate change – so it can't ALL be our fault can it?

Think back.....



Name of famous beach in Rio

Our two fwk locations in Birmingham

Q – data – opinion based

When you deliberately choose instead of being random



Nepal earthquake - magnitude

Nepal earthquake: cost of damage

Measures plate movement

3 ways of adapting buildings to reduce/quake damage



Drilling for climate change evidence?

P's & D's are subjective

This is retreating in the Arctic

Happened most recently in 1963

How many points can you rack up?

Climate Change – Natural Causes?

Learning is successful when I can:

- Name the three natural causes of climate change
- Outline the theories behind these

Impressive
Vocabulary

Keywords

Orbit
Sun spot
Eccentricity
Obliquity
Precession
Volcanic eruptions
Milankovitch Cycles

Geography Skills:

Scale
Conceptual
understanding

Literacy Skills:

Exam response
writing
Describing trends

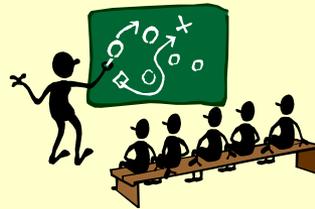
Employability Skills:

Independent thinking
Evaluating sources

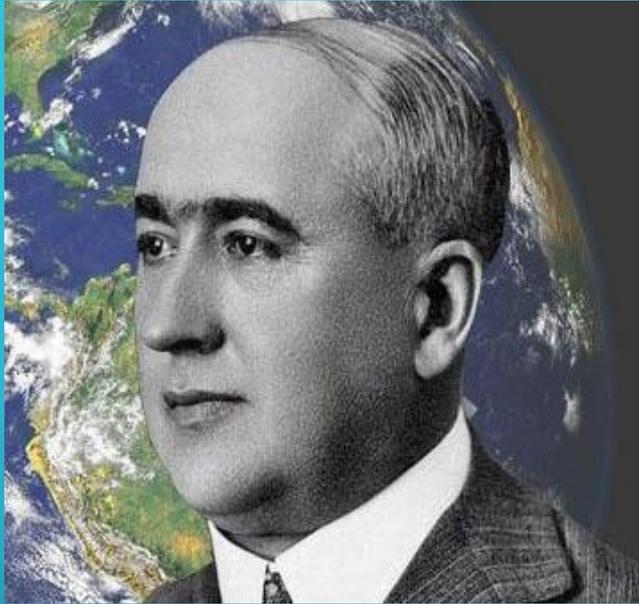


PRESENT NEW INFORMATION

LOOK, LISTEN, LEARN



Who? What? When?



 **Donald J. Trump** 
@realDonaldTrump  **Following**

It's really cold outside, they are calling it a major freeze, weeks ahead of normal. Man, we could use a big fat dose of global warming!

RETWEETS 7,585 FAVORITES 10,926



6:30 AM - 19 Oct 2015

85 years difference, same take
but one is more valid!

Milankovitch Cycles



Climate change is natural. It is linked to the way that the Earth orbits (moves around the sun).

It's all down to:

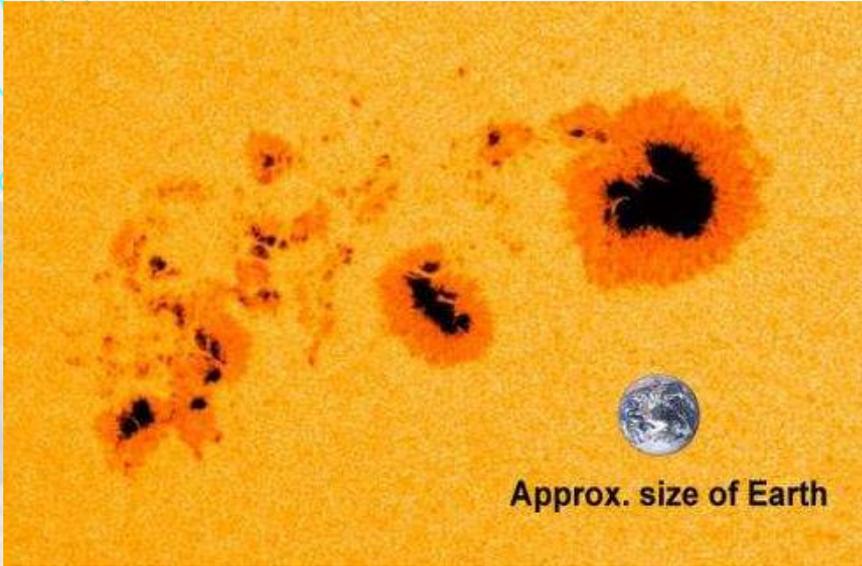
- a) _ c c _ n t r _ c _ t y
- b) _ b l _ q _ _ t y
- c) P r _ c _ s s _ _ n



Watch the video clip
carefully.
Decipher the keywords
above and match to the
images on the left



Sun Spots



Dark/Light spots on the surface of the sun

Permanent or **Temporary**?

Caused by **??**

They **increase/decrease** the amount of energy the Earth gets from the sun

Usually there is an **?** year cycle of sun spot activity.

The Little Ice Age is linked to a time of **fewer/more** sun spots

Volcanic Eruptions

Eruptions release _____

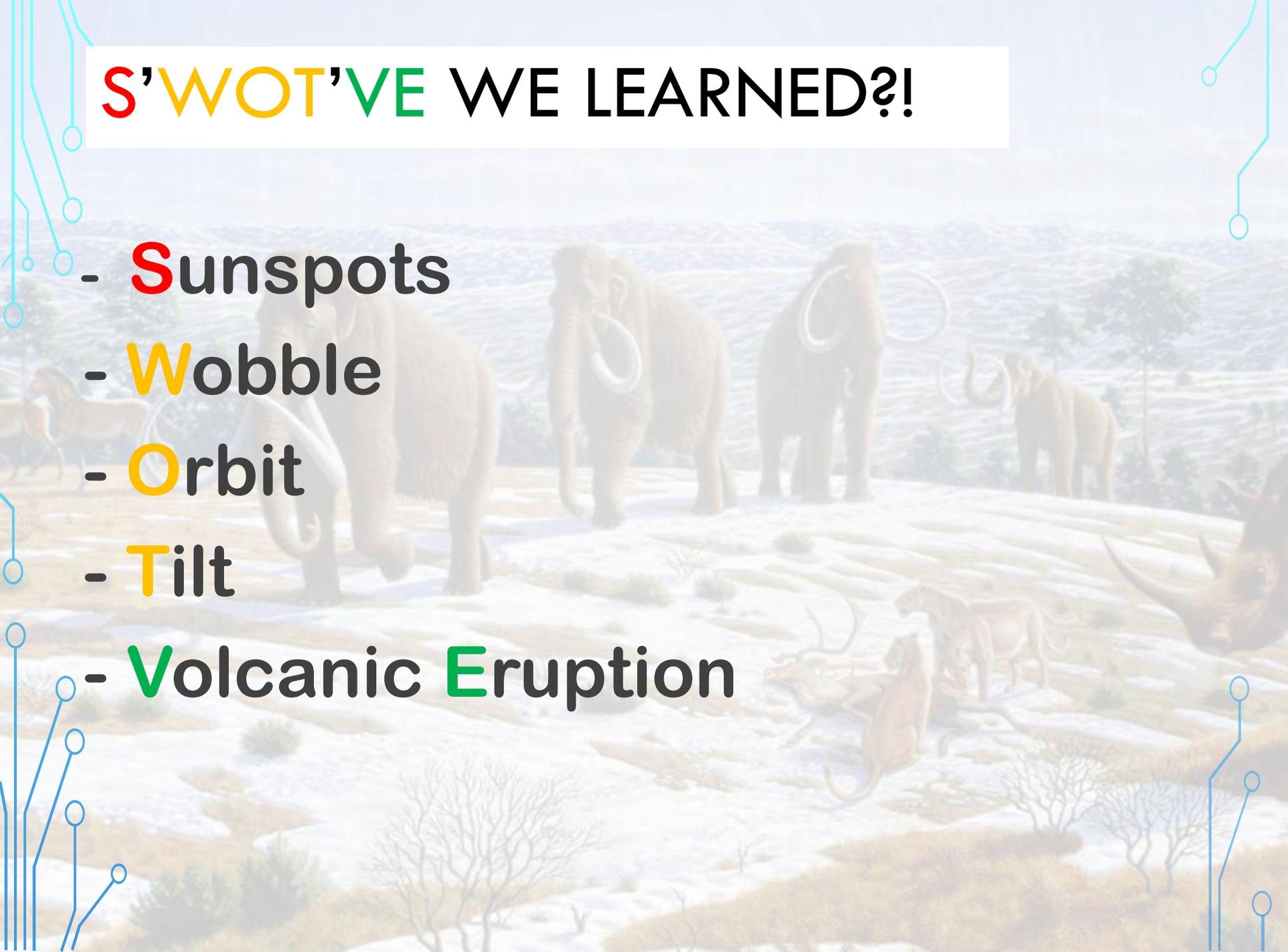
This _____ sunlight which results in _____ temperatures on Earth.

In 1991 Mount Pinatubo erupted, putting _____ million tonnes of ? and ? into the atmosphere. In 1992-1993 Earth's average temperature changed How much? Why?



S'WOT'VE WE LEARNED?!

- **S**unspots
- **W**obble
- **O**rbital
- **T**ilt
- **V**olcanic **E**ruption



Climate Change – Natural Causes?

Learning is successful now I can:

- Name the three natural causes of climate change
- Outline the theories behind these

Impressive
Vocabulary

Keywords

Orbit
Sun spot
Eccentricity
Obliquity
Precession
Volcanic eruptions
Milankovitch Cycles

Geography Skills:

Scale
Conceptual
understanding

Literacy Skills:

Exam response
writing
Reading for meaning

Employability Skills:

Independent thinking
Evaluating sources

WHAT WOULD AN EXAM QUESTION LOOK LIKE?

12
mins



“Climate Change is a naturally occurring process”
Explain why some may argue this statement is true. [6]

Steps to Success

1. Box
2. Underline
3. Lingo to include
4. Write it! Remember to Glance back
5. Spell- check

* Point Explain Evidence Evaluation Link

S H E E P

Place Specific Detail

WHAT WOULD AN EXAM ANSWER LOOK LIKE?

6
mins
peer
assess

“Climate Change is a naturally occurring process”
Explain why some may argue this statement is true.
[6]



OPENING LINE: ‘There is some/significant evidence to support this statement that climate change is a naturally occurring process’.

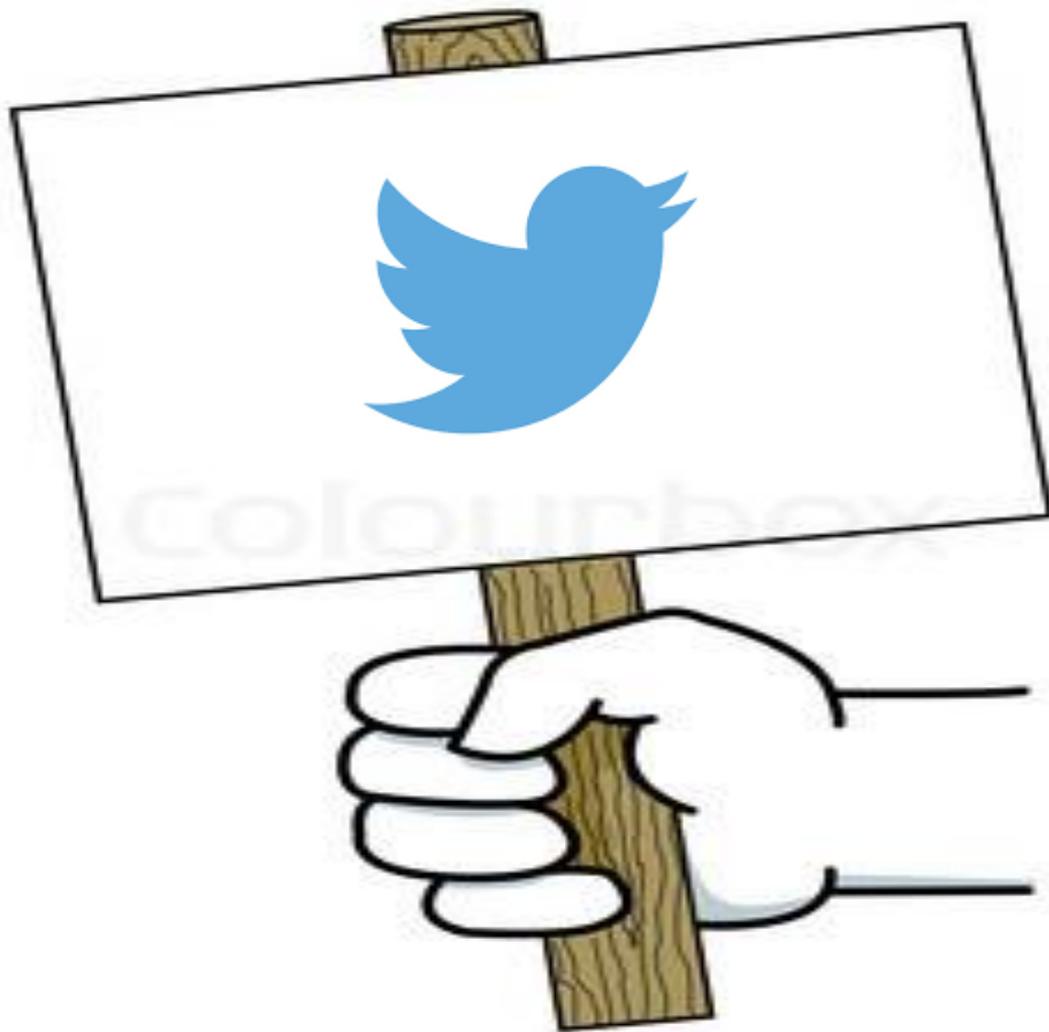
Theory/Idea: How it works Evidence of resulting climate change

Sun spots are dark spots on the sun’s surface which increase the amount of energy the Earth gets from the sun. During the Little Ice Age (1300-1870) there were fewer sun spots, unlike during the Medieval warm period when there were more.

Now REPEAT using TWO other natural causes of climate change ideas

Highlight your answer using three colours to check you have 6 marks





Summarise today's learning in a 240 character tweet in the 4 lines at the bottom of your page OR write two questions that someone could ask you to check if this content has been mastered!