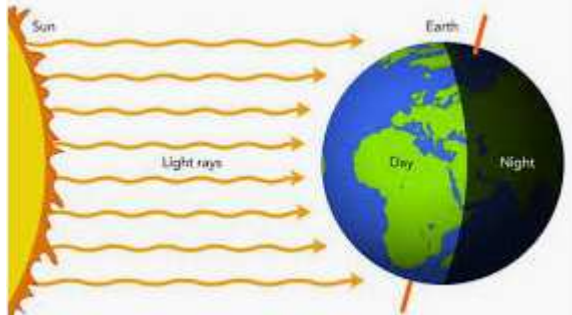
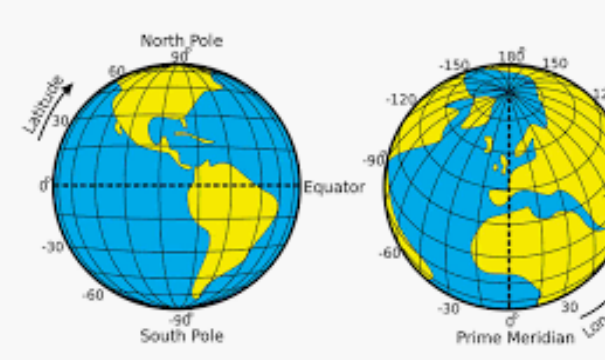

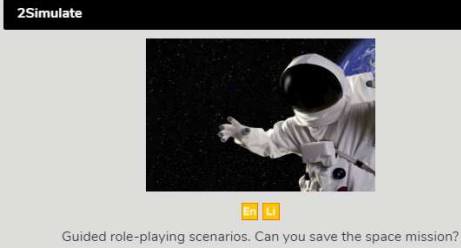


Daily activities:

<p><b>English worksheet and tasks</b></p> <p>Read '<a href="#">Life on Earth would not be possible without trees</a>' and complete the tasks below.</p>	<p><b>Maths:</b></p> <p>Complete the <a href="#">White Rose Maths</a> tasks at the end of this document - 1 per day. <b>Ensure you watch the video before you complete the task.</b></p>	<p><b>Reading Plus:</b></p> <p>Log into <a href="#">Reading Plus</a> and complete your weekly reading comprehension tasks and vocabulary tasks. <b>Site code: rpendea2</b></p>	<p><b>TTRS and Numbots</b></p> <p>Working on <a href="#">Times Table Rockstars</a> - Can you complete all the set games and challenge somebody in our school? Are you winning in the current Battle of the Bands?</p>	<p><b>PE session</b></p> <p>Join Joe Wickes live every morning @ 9:00am or access it any time throughout the day.</p>	<p><b>A Topic activity from the choices below.</b></p> <p>Try to complete all of the tasks and send your work to your teacher.</p>
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This week's themed learning is based around our new topic of **Space - Infinity and Beyond**

<p><b>Science: Day and Night</b></p>  <p>Watch the <a href="#">time lapse video</a> of the sky changing from Day to Night. What do you notice? What is happening? How can you explain it?</p> <p>During the course of 24 hours the Earth spins on its own axis (turns around) as it completes its orbit around The Sun. This can sound really complicated but when you can watch a model of it the idea becomes much clearer. Take a look here on <a href="#">BBC Bitesize</a> and <a href="#">here</a> Can you act it out with family members? The Sun needs to stand in the centre and you (Planet Earth) need to spin around whilst also going (orbiting) around The Sun. Dizzy yet? Where would the moon be in all of this? Can you add a third person to your day and night drama?</p> <p>Now that you've watched an explanation and acted it out could you try to explain this idea to someone else?</p> <p>Label the diagram (full size underneath) and write an explanation for why we experience day and night. There is a word bank included so remember to use accurate scientific vocabulary.</p>	<p><b>Geography: Latitude and Longitude</b></p>  <p><b>Latitude and longitude</b> are part of the geographic coordinate system. They help us to map every point on the Globe. Latitude represents the imaginary lines which go vertically around the globe and Longitude represent the lines which go horizontally around the globe.</p> <p>Watch the BBC Bitesize video <a href="#">here</a></p> <p>Then complete the lines of latitude and longitude activity underneath.</p>	<p><b>History: Copernicus</b></p>  <p>Last week we looked at the famous scientist Galileo and how his work was inspired by Copernicus' heliocentric model of the solar system. This week we would like you to find out more about Copernicus the famous astronomer.</p> <p>Recap on what you know about Copernicus <a href="#">here</a> And research further information <a href="#">here</a> and <a href="#">here</a></p> <p>When you have made notes from your research complete a biography for Copernicus. You can find a template underneath.</p> <p><u>Discussion:</u> Watch this BBC video clip '<a href="#">Who was the greatest scientist?</a>' It's a funny video exploring differences between Galileo and Copernicus. What do you think? Explain to somebody at home who you think the greatest scientist was and why.</p>	<p><b>Computing: 2 Simulate</b></p>  <p>Can you work through this simulation on Purple mash to save the Space mission? You need to read each step carefully and make the correct decisions when faced with different choices.</p> <p>This has been set as a 2Do for you on Purple Mash.</p>
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## Science: Why do we have seasons?



In the UK we experience 4 seasons each year but why is it hotter in summer and colder in winter? Some people think it's because The Earth is closer to The Sun in summer but this is not the reason. As our planet orbits around The Sun it is tilted on it's axis and this is what causes our planet to have seasons.

You can read more about why we have seasons [here](#) and watch a video from Terrific Scientific [here](#)

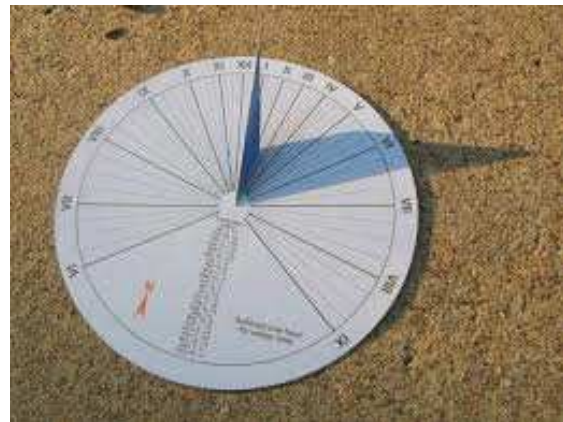
When you have finished your research complete the seasons sheet to explain what happens (full size underneath).

### DT/ Outdoor Learning

#### Create your own sun dial.

Sundials are the oldest known instruments for telling time. The surface of a sundial has markings for each hour of daylight. As the Sun moves across the sky, another part of the sundial casts a shadow on these markings. The position of the shadow shows what time it is.

Use the sundial activity sheet below to create your own sundial. Take pictures of your findings and upload them to teams!



### English: Vocabulary

Choose 5 spelling words from [the Y5/6 Statutory Spelling List](#).

- Write 3 synonyms for each word
- Write the word in a sentence.
- Write a definition for the word.

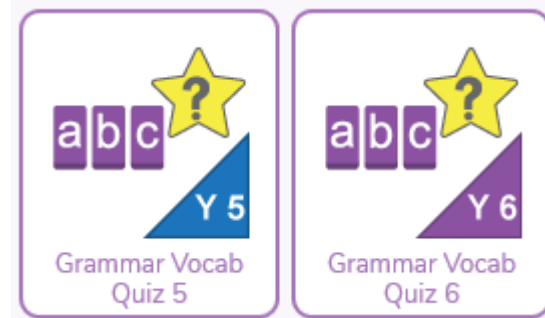
E.g. **Mischievous**

**Synonyms - naughty, disobedient, misbehaving**

**Adam was up to his mischievous tricks again.**

**Mischievous - Behaving in a way, or describing behaviour, that is slightly bad but is not intended to cause serious harm or damage.**

Complete the Grammar Vocabulary Quiz on Purple Mash



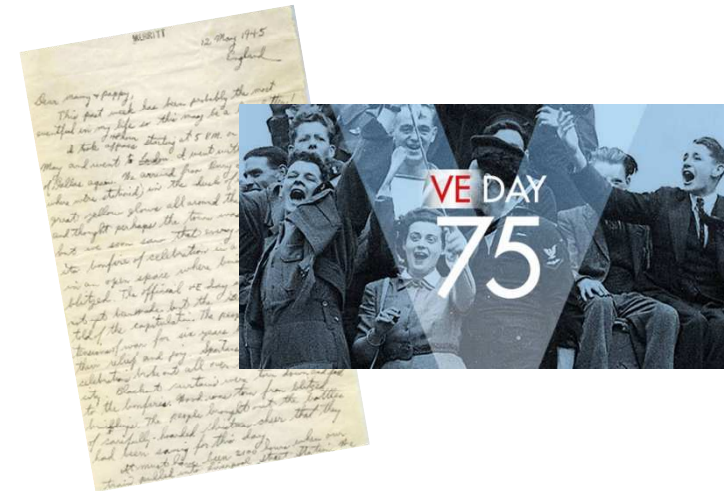
### English: Writing

Recap your understanding of VE day and what makes it so important. Use [BBC bitesize](#) to explore the history behind it.

Imagine you are a British citizen during WW2 and you hear the news that the war is ended. How would you feel during VE day? What would you want to do to celebrate?

Write a diary entry for VE day considering the thoughts and feelings for your character. Include the features of a diary entry:

- Past tense (Write if you have already celebrated and VE day has taken place)
- First person pronouns (I, we, my)
- Describe the writer's point of view through description (alliteration, simile, metaphor, personification)
- Include opinions as well as facts
- Organise events into paragraphs



### British Values/Global Learning

**Discuss - Should one country own planets in our solar system?**

As a result of the Space race in the 60's between America and Russia the USA was the first country to reach The Moon and plant it's flag there.

However, The 1967 Outer Space Treaty states that no nation can 'own' the moon.

What do you think? Should America have a greater share of The Moon because it got there first? Or should The Moon be shared by all countries of the world?

What about future discoveries in Space?

For example: If precious minerals and metals were discovered on Mars in the future should these be shared equally amongst all countries on Earth or only between the countries that invested money to make the mission there possible?

Write a paragraph arguing for or against ownership of planets in our solar system.

## Sticky Knowledge (remembering our previous learning):

### History/Art

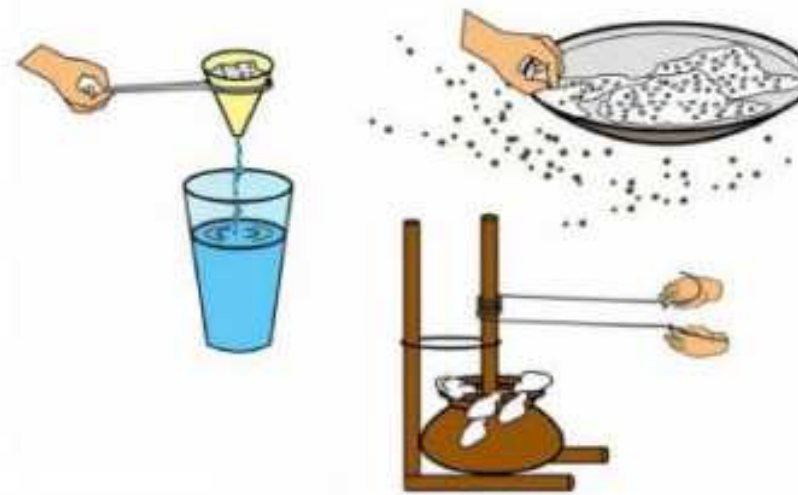
Think back to our WW2 topic and how propaganda was used to influence people. Watch the following video [here](#). This short film explains how people were persuaded to join the war effort, and the importance of motivational campaigns.

Create your own motivational posters to galvanize others to join the NHS volunteers to support vulnerable people during the current pandemic. Remember to consider the colours you use, the message you want to portray and the poster must be able to be seen from a safe 2metre distance.



### Science

#### Different separation methods



In your previous science topic you experimented with mixing and separating different materials. Recap on the different methods [here](#) and [here](#). When you have remembered the different methods complete the separating mixtures sheet underneath.

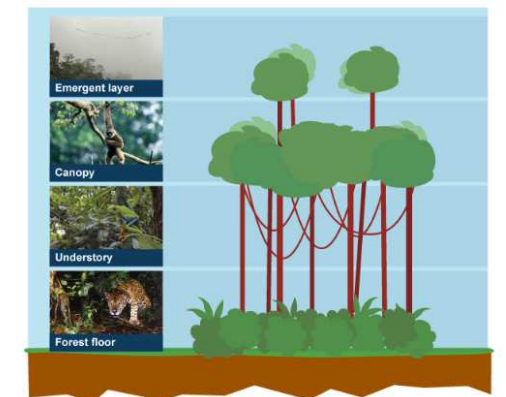
When you are finished you could try some of the methods at home e.g. dissolve salt in water and leave it for a few days in a warm place. What happened? Can you explain the scientific process to someone else?

### Geography

Recap on our previous learning of the rainforests by checking out the following information [here](#).

Once you have read all the information (makes notes if you wish in your workbook) then complete the online quiz by clicking [here](#).

How many did you get out of 10? Send your teacher your scores so we can see how well you do.



### Website links mentioned above:

[https://commons.wikimedia.org/wiki/File:Sonne\\_Zeitraffer\\_-\\_Sun\\_Time\\_Lapse\\_3840x2160p\\_24FPS\\_CC\\_\(Royalty\\_Free\)\\_\\_\(Kostenlos\)\\_10bit.webm](https://commons.wikimedia.org/wiki/File:Sonne_Zeitraffer_-_Sun_Time_Lapse_3840x2160p_24FPS_CC_(Royalty_Free)__(Kostenlos)_10bit.webm) - Science Day and Night time lapse video

<https://www.bbc.co.uk/bitesize/clips/zrd9wmn> - Science Day and Night BBC video

<https://www.youtube.com/watch?v=hPa7bu1q7D4> - Science Day and Night video

<https://www.bbc.co.uk/teach/class-clips-video/science-ks2-the-work-of-nicolaus-copernicus/z64skmn> - Copernicus video

<https://www.sciencekids.co.nz/sciencefacts/scientists/nicolauscopernicus.html> - Copernicus research

<https://www.famousscintists.org/nicolaus-copernicus/> - Copernicus research

<https://www.bbc.co.uk/bitesize/clips/z6shfq8> - Greatest scientist debate

<https://spaceplace.nasa.gov/seasons/en/> - science - why do we have seasons information

<https://www.bbc.co.uk/programmes/p04wf449> - science video to explain why we have seasons

<https://www.bbc.co.uk/bitesize/topics/zvsfr82/articles/zd4rmfr> - Geography latitude and longitude video

<https://www.bbc.co.uk/bitesize/clips/zb9c87h> - separating materials science sticky knowledge

<https://www.bbc.co.uk/bitesize/topics/zcvv4wx/articles/zw7tv9q> - separating materials science sticky knowledge BBC Bitesize

[https://cdn.oxfordowl.co.uk/2019/08/29/13/56/09/5a42eb6a-f57f-4dc4-a66e-bd4c5e27e4b7/SpellingWordList\\_Y5-6.pdf](https://cdn.oxfordowl.co.uk/2019/08/29/13/56/09/5a42eb6a-f57f-4dc4-a66e-bd4c5e27e4b7/SpellingWordList_Y5-6.pdf) - Y5/6 Spelling List

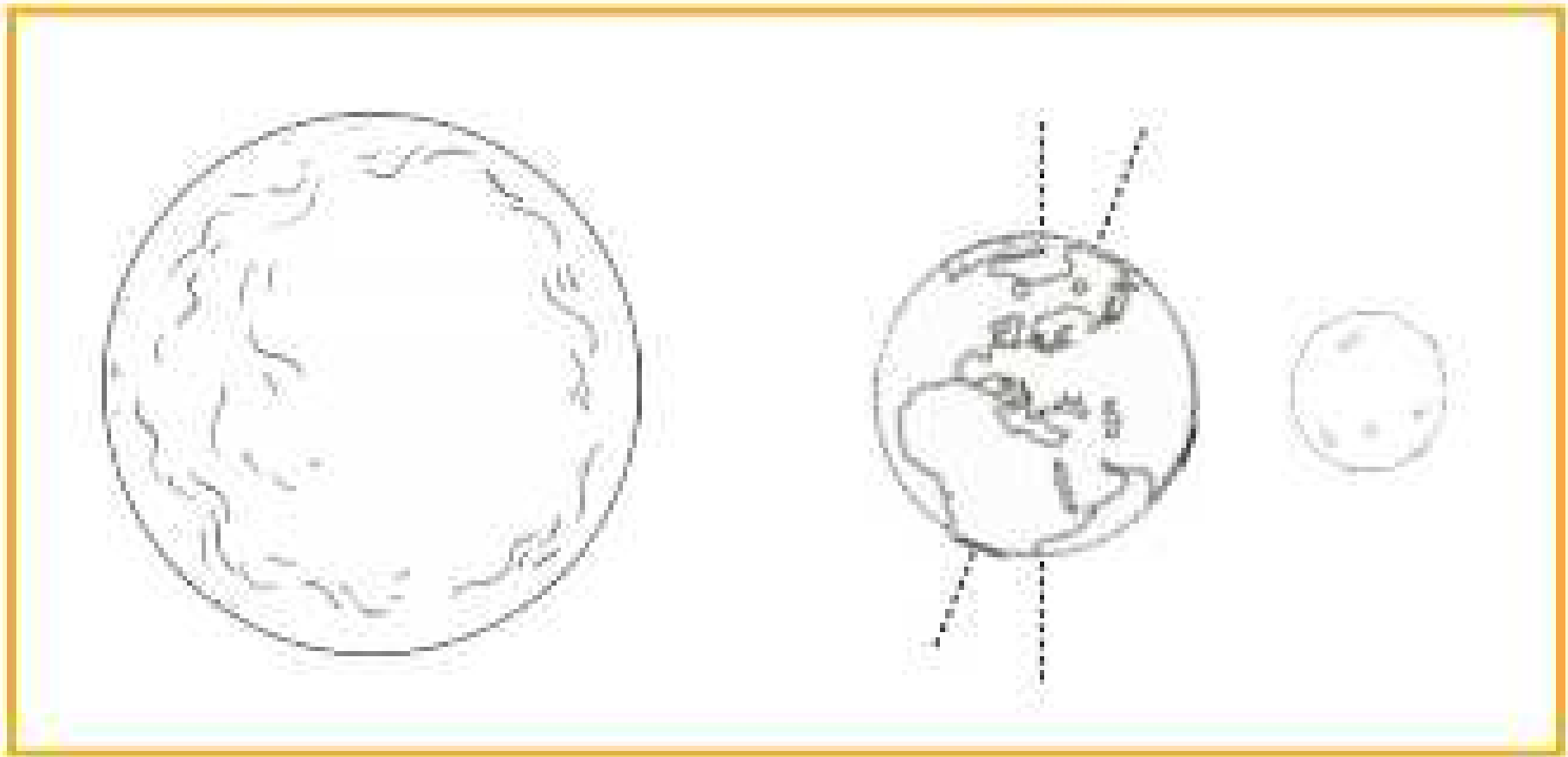
<https://www.bbc.co.uk/teach/class-clips-video/history-ks2-ve-day/z7xtmfr> - BBC Bitesize VE Day History

<https://www.bbc.co.uk/teach/class-clips-video/history-ks2-how-propaganda-was-used-during-world-war-two/zr77wty> Propaganda posters

<https://www.bbc.co.uk/bitesize/guides/zpmb9q/revision/1> Rainforest revision and quiz

Label the diagram accurately and then write your own explanation for why we experience day and night on Earth.

# Why Do We Have Day and Night?



1. Label the Earth, Sun and Moon on the picture.
2. Can you explain why we have daytime and night-time?

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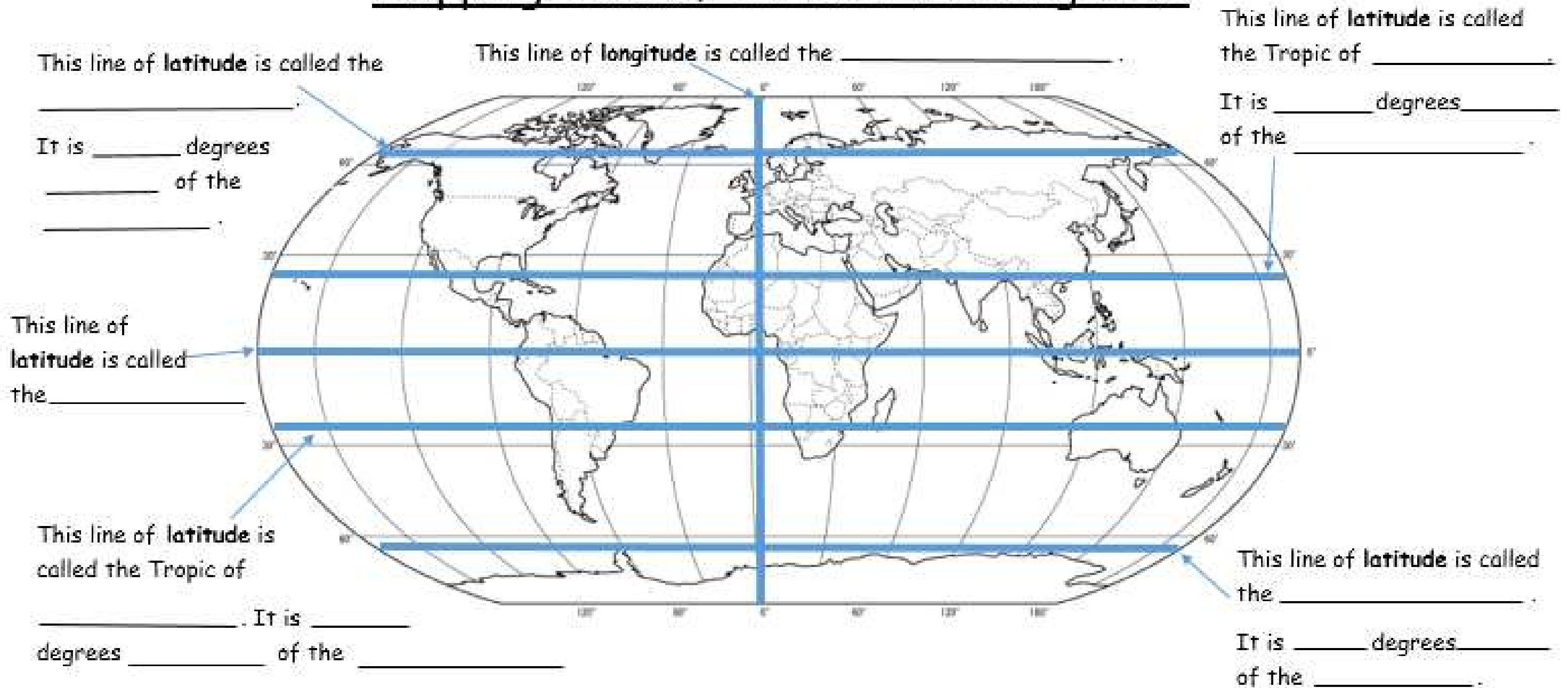
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## Word Bank

Earth Sun light daytime night-time spins axis Moon reflects

3. Colour in the picture to show which part of the Earth is in daytime and which part is in night-time.

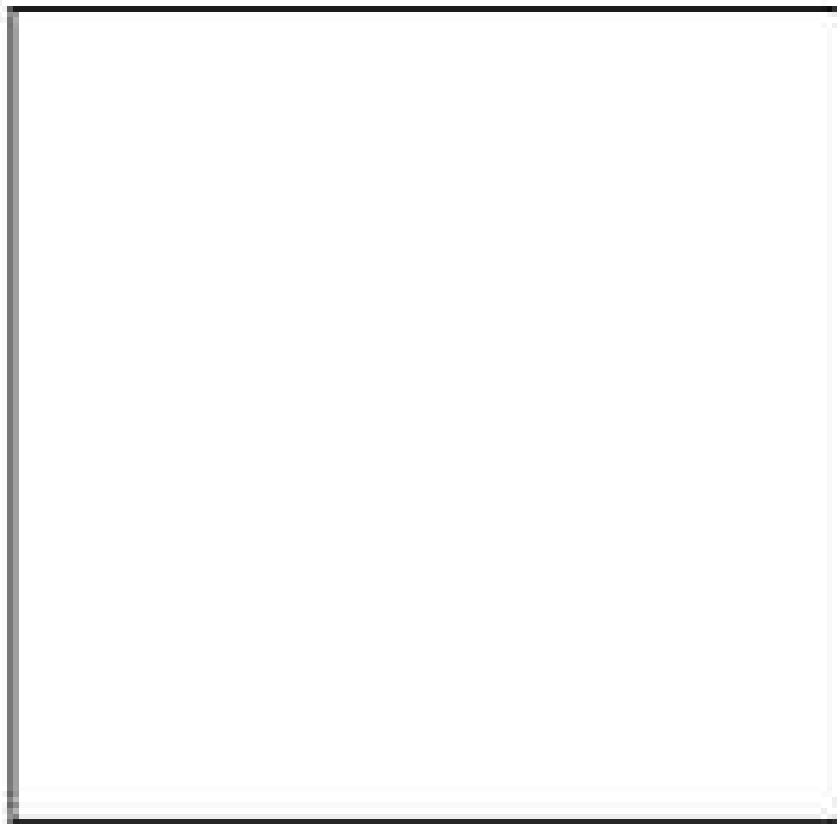
# Mapping lines of latitude and longitude



## Extension questions to research

- 1) Can you explain what the International Date Line is? Where would you find it on the map?
- 2) In as much detail as you can explain why the Prime Meridian is in Greenwich, England.

# Nicolaus Copernicus Fact File



Full name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Place of Birth: \_\_\_\_\_

Famous for: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Who was Nicolaus Copernicus?**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Key events during Nicolaus Copernicus' life:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Interesting facts about Nicolaus Copernicus:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Separating Mixtures

Draw a line from the process to its correct description.

Evaporating and Condensing

Separates insoluble solids from liquids

Decanting

Separates two liquids which have different 'weights'

Magnetism

Separates different sized solids

Filtering

Separates soluble solids from liquids

Sieving

Separates iron and steel from non-magnetic materials

Write in the process used to separate each mixture.

Mixture	Process
salt + water	
sugar + water	
rice + pasta shapes	
sand + water	
flour + rice	
paperclips + sawdust	

## The Seasons

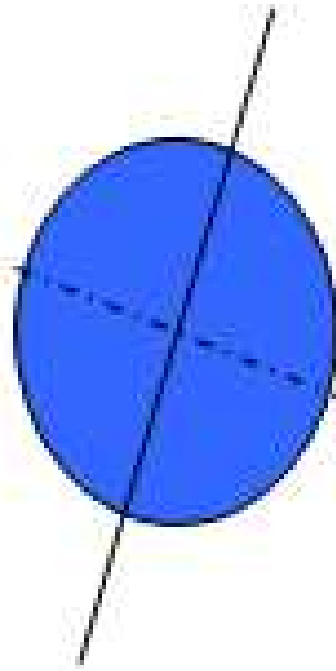
1. The change in seasons is caused by the \_\_\_\_\_ in the Earth's \_\_\_\_\_.

2. The two halves of the Earth are called the North and South \_\_\_\_\_.

Britain is in the \_\_\_\_\_ hemisphere.

3. Because of the tilt, one \_\_\_\_\_ points towards the sun and one points away. It is summer in the hemisphere that points \_\_\_\_\_ the sun. It is winter in the hemisphere that points \_\_\_\_\_ from the sun.

4.

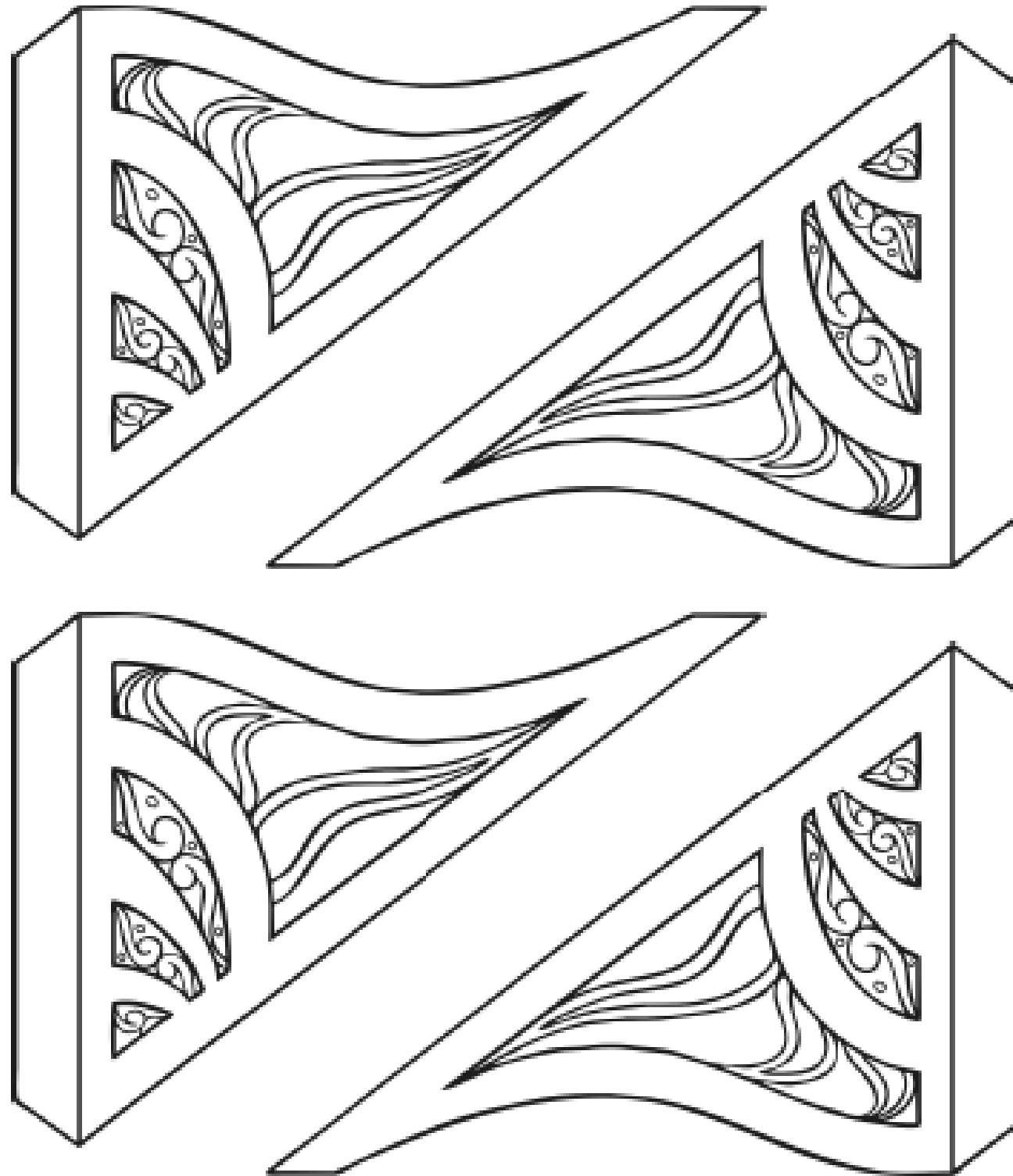


- On the diagram above, label the North Hemisphere, the South Hemisphere and the Equator.
- In which hemisphere is it Summer?
- In which hemisphere is it winter?

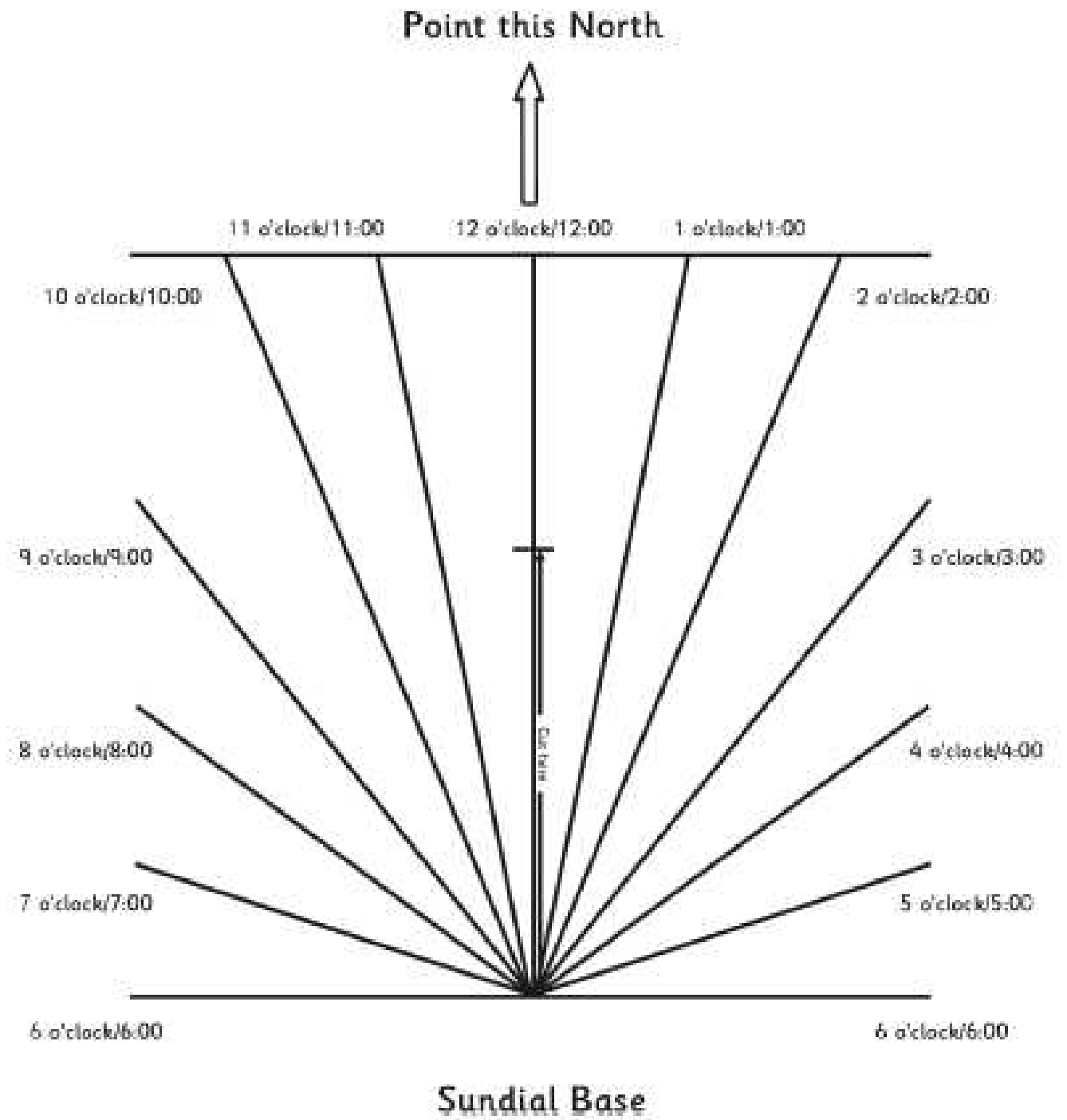


## Creating a Sundial

Print this out onto card and cut carefully. (There are 4 gnomon on this page so you only need to print this page once for every 4 pages of sundial bases).



Print this out onto card and cut carefully.



Introduction.

Each week you will receive a set of English tasks. You should aim to complete one each day. Spending about 30 minutes on reading, 45 minutes on writing and at least 20 minutes on grammar and spelling.

It is fine for you to ask for help from parents, siblings or your teacher through teams.

During the first week you will:

<b>Week 4</b>	
I have used the text to answer the questions.	★
I have written a letter using persuasive language.	★
I have read and answered the grammar questions carefully.	★
I have practised the spellings and used some in my own sentences.	★

Colour the stars when you think you have achieved this.

If you love reading and writing and want more of a challenge you can keep writing stories based on your own ideas or other books you have read.

Or explore

[www.lovereadings4kids.co.uk](http://www.lovereadings4kids.co.uk) or [www.newsela.com](http://www.newsela.com) to find more extracts to read and write about.

Monday 11<sup>th</sup> May 2020

Year 5 - 'Life on Earth would not be possible without trees' - Day 1

**'Life on earth would not be possible without trees'**

**Reading**

**Carefully read the article.**

**Answer the multiple choice questions at the end of the reading.**

Use this space to write a multiple choice question of your own.

Tuesday 12<sup>h</sup> May 2020

Year 5 - 'Life on Earth would not be possible without trees' - Day 2

**Writing**

**Write a letter to the government persuading them to protect our forests. Aim to write two paragraphs.**

Use this space to write down persuasive language you will use.

What do you want the government to do?  
Why do you want the government to do this?  
What do you hope will be the result of protecting our forests?

Wednesday 13<sup>th</sup> May 2020

Year 5 - 'Life on Earth would not be possible without trees' - Day 3

### Grammar

**Complete this sentence.**

If I work hard, \_\_\_\_\_.

**Insert the comma in the correct place to show the fronted adverbial.**

Throughout the film my sister talked on her phone.

**Underline the expanded noun phrase in this sentence.**

I kicked my favourite green football over the fence.

**Circle the correct verb in each sentence.**

I was/were walking down the street.

We was/were collecting shells on the beach.

They was/were eating popcorn.

**What is the name of the punctuation mark in this sentence?**

The dragon (who lived on mountain) scared the whole village.

Thursday 14<sup>th</sup> May 2020

Year 5 - 'Life on Earth would not be possible without trees' - Day 4

### Spelling

**Practise each word. Choose two and write their definitions.**

**Choose two to write in sentences.**

sacrifice

secretary

shoulder

signature

sincere/sincerely

soldier

stomach

sufficient

suggest

symbol

# Life on Earth would not be possible without trees

By National Geographic Society, adapted by Newsela staff on 04.25.19

Word Count 421

Level 560L



There are many reasons to be thankful for trees. The beautiful plants provide homes for animals. They also produce oxygen. Without oxygen, there would be no life on Earth. Trees also supply important products such as wood, paper and fruit.



Unfortunately, only some of Earth's surface is forested. There are three different types of forests. Boreal forests are located the farthest north. Tropical forests are found close to the equator. Temperate forests grow in between these two.

Trees need specific conditions to grow. Healthy soil, sunlight and rainfall are all important. Temperature also matters. Most trees do not grow well in very hot or very cold areas. Trees need conditions that are just right.

Even then, they are not always safe. Trees face a number of threats such as pests. One serious pest is the mountain pine beetle. It has destroyed many square miles of forest.

## Both Nature And Humans Can Hurt Forests

Another threat to forests is fire. Lightning strikes can set entire forests on fire. Heavy winds can quickly spread a fire. Forest fires have become a big problem in the western United States. Fires are part of the natural cycle in forests. Droughts have become more common, though. So have high temperatures. As a result, forest fires are changing. They are becoming larger and more dangerous.



Less common problems include earthquakes and volcanoes. In 1980, Mount St. Helens erupted in Washington State. It knocked over thousands of trees. The eruption also caused volcanic mudflows. They ripped trees from the ground and scattered them across the land.

Human activities hurt forests as well. Some forests are cut down for wood or to clear the land. Tree removal is taking place in many regions. It can be harmful to ecosystems. Cutting down forests reduces biodiversity. It destroys habitats and forces animals to move. Cutting down forests is also harmful to the native people who live in or near forests. Many of these people rely on the forest. They need it for food and shelter.

Trees do not grow equally around the planet. Some regions have more forests than others. This inequality has important effects. In areas without forests, there are no forest products to be sold. People in those areas miss out on certain benefits. They miss out on money from tourism. They also do not have the pleasure of being in the forest.

## Quiz

- 1 Why does life on Earth need trees?
- (A) because trees make oxygen
  - (B) because trees need sunlight
  - (C) because trees help tourism
  - (D) because trees keep us safe

- 2 How do droughts affect forest fires?
- (A) Droughts help forest fires slow down.
  - (B) Droughts make forest fires smaller.
  - (C) Droughts help forest fires end quickly.
  - (D) Droughts make forest fires worse.

- 3 Read the selection from the section "Both Nature And Humans Can Hurt Forests."

*Cutting down forests is also harmful to the native people who live in or near forests. Many of these people rely on the forest. They need it for food and shelter.*

What does the phrase "rely on" mean?

- (A) live on top of
  - (B) tear down
  - (C) depend upon
  - (D) come from
- 4 Read the following selection from the introduction [paragraphs 1-4].

*Trees face a number of threats such as pests. One serious pest is the mountain pine beetle. It has destroyed many square miles of forest.*

Which word could replace "threats" WITHOUT changing the meaning of the sentence?

- (A) diseases
- (B) dangers
- (C) battles
- (D) animals

Please watch the video first: <https://whiterosemaths.com/homelearning/year-5/>

## Adding decimals with the same number of decimal places



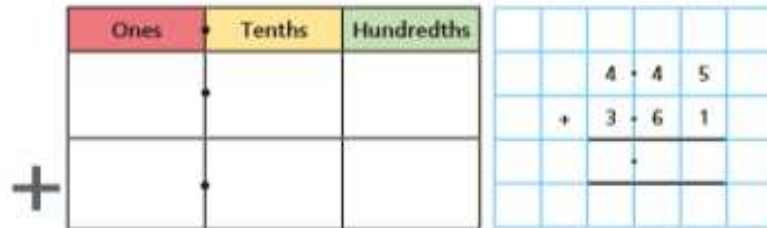
1 Complete the additions.

Use the place value charts to help you.

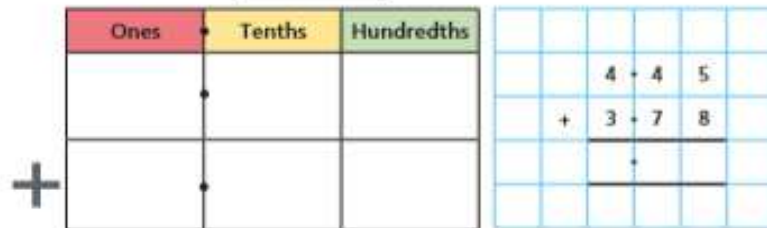
a)  $4.45 + 3.21 = \square$



b)  $4.45 + 3.61 = \square$



c)  $4.45 + 3.78 = \square$



Which calculation was easier? Talk about it with a partner.



2 Use the column method to work out the additions.

a) 
$$\begin{array}{r} 5.3 \\ + 2.5 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 3.102 \\ + 5.876 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 6.03 \\ + 3.91 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 12.034 \\ + 9.227 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 2.32 \\ + 1.017 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 5.75 \\ + 5.32 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 6.37 \\ + 6.26 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 14.99 \\ + 12.37 \\ \hline \end{array}$$

3 Work out the calculations.

Write  $<$ ,  $>$  or  $=$  to make the statements correct.

a)  $0.64 + 4.79$    $5.01 + 0.23$

b)  $7.427 + 3.238$    $5.427 + 5.832$

c)  $3.08 + 4.63$    $4.84 + 2.87$

4 Teddy is working out the total cost of these items.



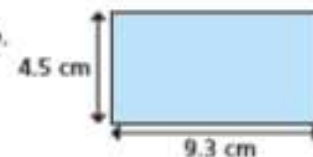
Here are his workings.

$$\begin{array}{r} 5.75 \\ + 11.20 \\ \hline 68.70 \end{array}$$

Talk to a partner about Teddy's mistake.

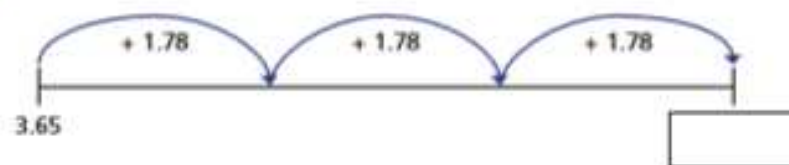
Work out the correct answer.

5 Work out the perimeter of the shape.



perimeter =  cm

6 Complete the number line.



7 Eva starts with the number 1.62



Eva

I added a number and got 2.8

Rosie



This is impossible as 2.8 only has one digit after the decimal.

Is Rosie correct? \_\_\_\_\_

Talk about it with a partner.



Please watch the video first: <https://whiterosemaths.com/homelearning/year-5/>

### Subtracting decimals with the same number of decimal places



1 Use a place value chart and counters to help you complete the subtractions.

Tens	Ones	Tenths	Hundredths
1 ten counter	8 one counters	3 ten counters	3 hundred counters

a)  $14.83 - 12.12 = \square$       c)  $14.83 - 12.92 = \square$

b)  $14.83 - 12.14 = \square$       d)  $14.83 - 12.94 = \square$

- e) Which calculation was easier? Talk about it with a partner.  
 f) What happens when you don't have enough counters in a column to take away?

\_\_\_\_\_

\_\_\_\_\_

2 Complete the sentences.

1 ten can be exchanged for  ones.

1 one can be exchanged for  tenths.

1 tenth can be exchanged for 10 \_\_\_\_\_



3 Annie is calculating  $2.42 - 1.17$  using the column method.

She uses a place value chart to help her.

Ones	Tenths	Hundredths
2 one counters	4 ten counters	2 hundred counters
	1 ten counter is crossed out, and 10 hundred counters are added.	

2	.	4	2
-	1	.	1
<hr/>			
1	.	2	5

How does the place value chart support the column method?  
 Talk about it with a partner.

4 Complete the column subtractions.

a)

	5	.	6	4
-	3	.	1	2
<hr/>				
		.		
<hr/>				

d)

	8	.	0	9
-	3	.	8	1
<hr/>				
		.		
<hr/>				

b)

	5	.	6	4
-	3	.	1	5
<hr/>				
		.		
<hr/>				

d)

	1	.	2	.	0	2
-	1	.	1	.	3	8
<hr/>						
		.		.		
<hr/>						

- 5 Whitney has £8.52  
She buys this comic.  
How much money does she have left?



£

- 6 Here are some items for sale in a shop.



- a) How much more does a scarf cost than a bag of marbles?

£

- b) Esther has £15.31  
She buys a pair of headphones and a bag of marbles.  
How much money does she have left?

£

- c) Tom has £7.01  
He buys one item and has £5.92 left.  
What did he buy?

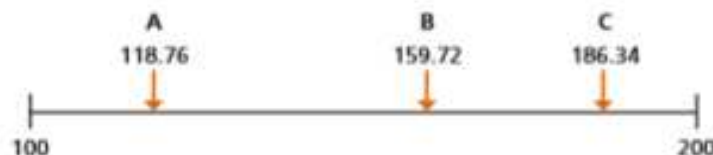
Tom bought \_\_\_\_\_

- 7 Ron and Dora are doing a sponsored walk.  
Ron walks 3.12 miles.  
Dora walks 5.49 miles.  
How much further does Dora walk than Ron?  
Dora walks  miles further than Ron.

- 8 Tommy has three pieces of string.
- The first piece is 0.78 m long.
  - The second piece is 0.24 m shorter than the first piece.
  - The third piece is 0.07 m shorter than the second piece.
- What is the total length of all three pieces of string?  
Give your answer in metres and centimetres.

m and  cm

- 9 A, B and C are points on a number line.



How much greater is the difference between A and C than the difference between B and C?

Compare methods with a partner.

Please watch the video first: <https://whiterosemaths.com/homelearning/year-5/>

### Adding decimals with a different number of decimal places



- 1 Ron is adding 1.4 and 2.53  
He makes each number with counters.

Ones	Tenths	Hundredths
●	● ● ● ● ●	
● ●	● ● ● ● ● ● ●	● ● ●

- a) What is the answer to Ron's calculation?
- b) Explain your method to a partner.
- c) Did you have to make an exchange? \_\_\_\_\_

- 2 Work out the additions.

a)

		3	•	0	2	
		+		1	•	6
						•

d)

		2	•	8			
		+		3	•	4	5
							•

b)

		1	3	•	5		
		+		0	•	2	3
							•

d)

		6	•	1	5			
		+		1	3	•	9	
								•

- 3 Filip is adding two numbers together.  
He writes it as a column addition.

	1	3	•	8				
+		1	•	9	5			
					3	•	3	3
					1		1	

- a) What mistake has Filip made?

\_\_\_\_\_

\_\_\_\_\_

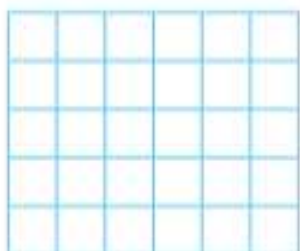
- b) Use the column method to work out the correct answer.


- 4 Use the column method to work out the additions.
- a)  $2.36 + 1.9$                       b)  $14.82 + 3.7$



5 Use the column method to work out the additions.

a)  $0.59 + 11.9$



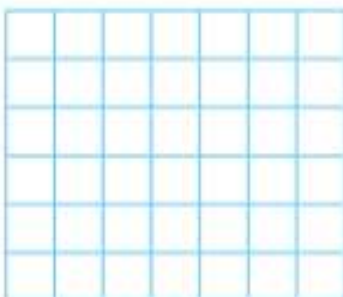
c)  $0.591 + 1.73$



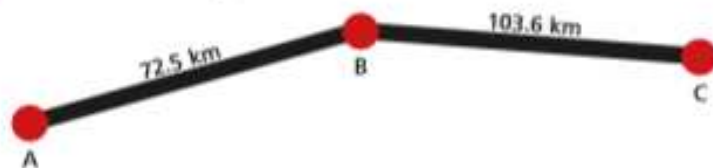
b)  $77.34 + 1.82$



d)  $3.2 + 1.84 + 0.931$



6 Mr Hall drives from point A to point B, then on to point C.



What is the total distance that Mr Hall drives?

km

7 Here are four number cards.

3.8

4.19

0.72

11.46

a) What is the greatest total you can make by adding two of the numbers?

Complete the calculation.

+  =

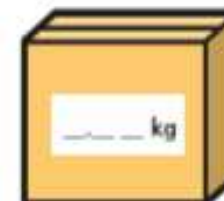
b) What is the sum of the four numbers?

8 Work out the missing digits.

a)  $\_4.3 + 1\_\_37 = 39.67$

b)  $4.8\_\_ + \_\_\_ = 12.65$

9 The total mass of the two boxes is 10.85 kg.  
What could the mass of each box be?



How many answers can you find?

Please watch the video first: <https://whiterosemaths.com/homelearning/year-5/>

## Subtracting decimals with a different number of decimal places



1 Use the place value chart to help you work out the subtractions.

Ones	Tenths	Hundredths
● ● ● ●	● ● ●	● ● ● ●

a)

	5	3	6
-	1	2	
<hr/>			

c)

	5	3	6
-	3	8	
<hr/>			

b)

	5	3	6
-	3	5	
<hr/>			

d)

	5	3	6
-	4	7	
<hr/>			

2 Alex is using counters to help her work out  $4.7 - 1.35$ .



I can't do this as I don't have any hundredths counters.

Do you agree with Alex? \_\_\_\_\_

Talk about it with a partner.



3 Complete the subtractions.

a)

	2	3	6
-	1	4	
<hr/>			

d)

	7	3	
-	1	1	5
<hr/>			

b)

	6	1	5
-	3	8	
<hr/>			

d)

	2	4	4
-	3	1	2
<hr/>			

4 Use the column method to work out the subtractions.

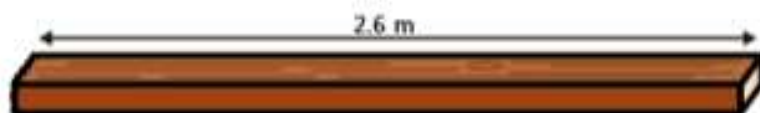
a)  $13.59 - 1.82$


c)  $5.6 - 1.39$


b)  $73.84 - 9.2$


d)  $18.2 - 3.64$


- 5 A plank of wood measures 2.6 m.  
A carpenter cuts a piece of wood from the plank that is 0.52 m long.



- a) What is the length of the remaining plank?

 m

- b) The carpenter cuts a second piece of wood from the plank.  
She now has 0.3 m of the plank remaining.  
What is the length of the second piece of wood that she cut?

 m

- 6 The mass of a bag of marbles is 54.3 g.  
These two marbles are removed from the bag.



What is the mass of the bag of marbles now?

 g

- 7 Work out the missing digits.  
 $\underline{\quad}3.4 - 2.5\underline{\quad} = 10.81$

- 8 Use the column method to work out the subtractions.

a)  $14 - 2.7$


d)  $26 - 3.91$


b)  $8 - 3.65$


e)  $25 - 3.842$


c)  $20 - 2.85$


f)  $90 - 0.821$


## Challenge 4

Here are 3 containers.



- The jug can hold **1500 ml**.
- The bucket can hold **2 litres**.
- The barrel can hold **15 litres**.

Anisa wants to fill the barrel with water.

Find 2 ways that Anisa can fill the barrel using the jug and bucket.

## Challenge 7

Megan puts 4 fractions in order, starting with the smallest.

$$\frac{1}{2} \quad \frac{\text{blue circle}}{8} \quad \frac{7}{\text{blue circle}} \quad \frac{\text{blue circle}}{5}$$

She has spilt some paint on some parts of the fractions.

What could the missing numbers be?