



PiXL Revisit

A Strategy for Revision

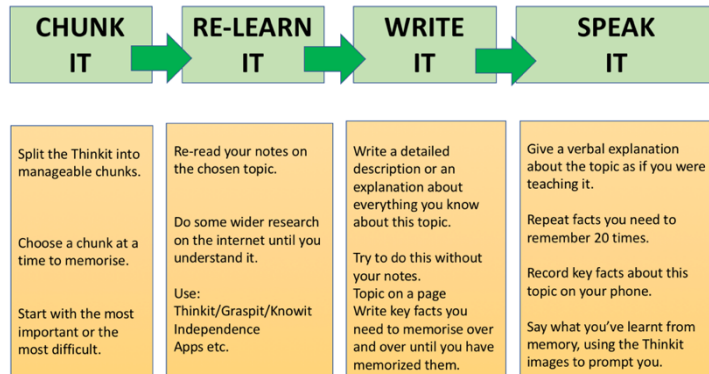
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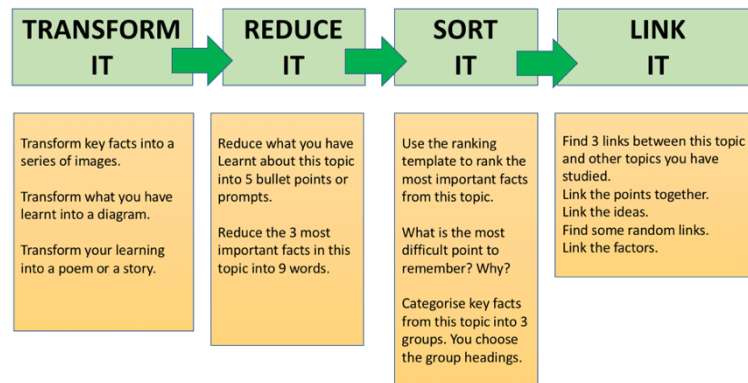
PiXL Revisit: Weather Hazards



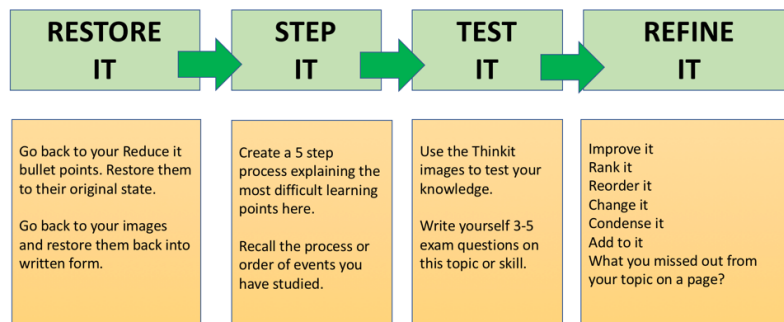
PiXL Re-visit



PiXL Re-visit



PiXL Re-visit





PiXL Revisit: Explain it!

Weather hazards: the global atmospheric circulation model. Add annotations to the diagram below to explain in detail the global atmospheric circulation model.

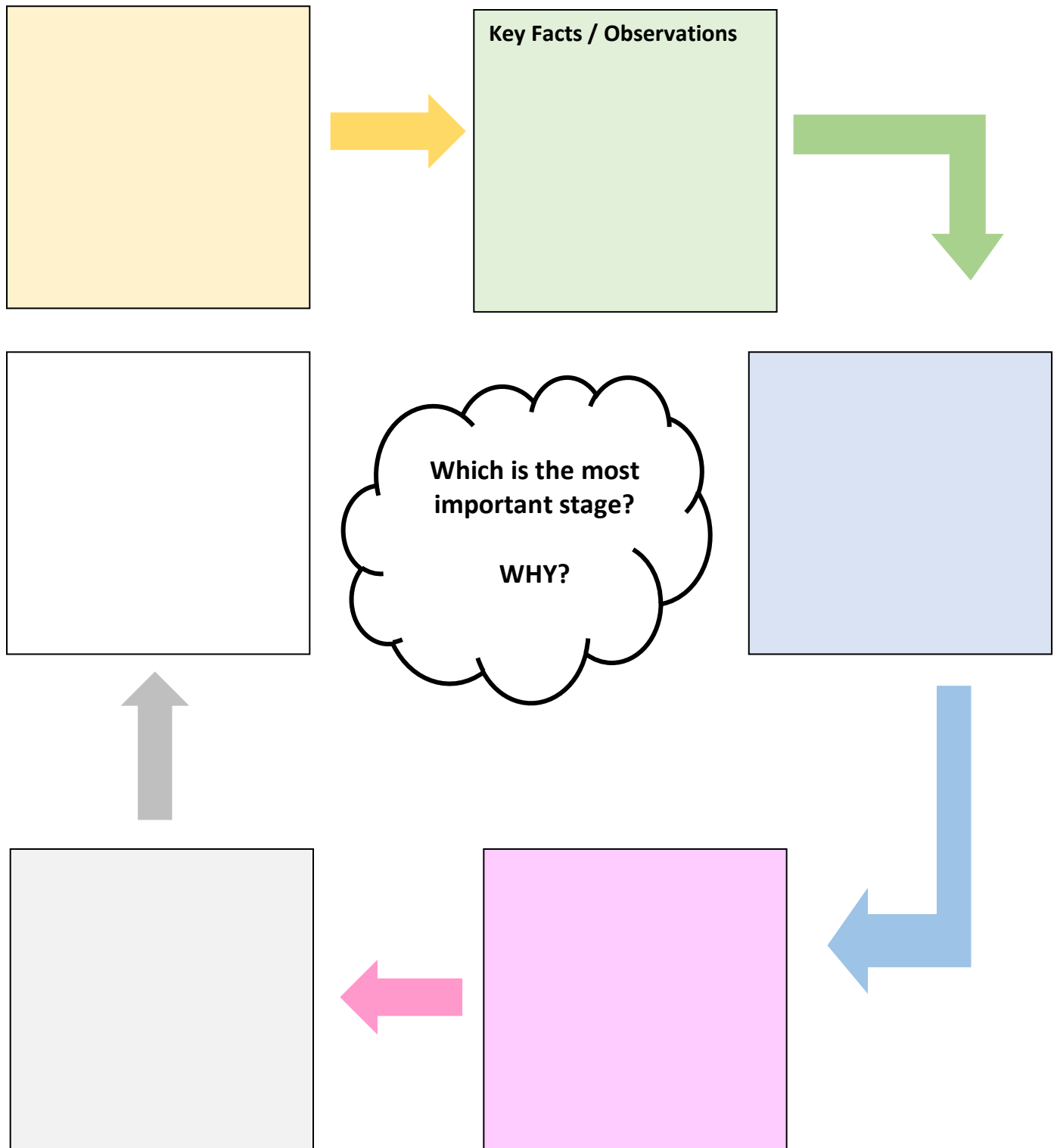


Transform your annotated diagram into a written explanation of how the global atmospheric circulation helps to determine patterns of weather and climate.



PIXL Revisit: Process and Categorise – Steps and stages explained

Weather hazards: Fill in the diagram below to explain the causes of tropical storms and the sequence of their formation and development.





PiXL Revisit: Transform

Weather hazards: Read the text about the **structure and features of a tropical storm**. Transform the text into an annotated diagram.

Tropical storms are large bodies of air that can be up to 500km in diameter and approximately 15km high. They are circular in shape. There is a vortex of cloud. The cloud spins anti-clockwise inwards towards the centre. There is a central eye. Within the eye, cold air sinks and warms and therefore no clouds form, resulting in calm conditions. The eye wall has banks of clouds with thunderstorms, strong wind (120km per hour) and heavy rains.



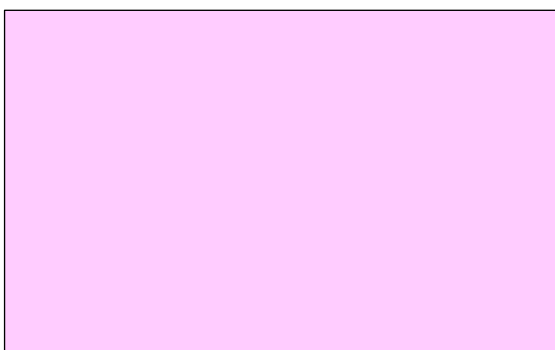
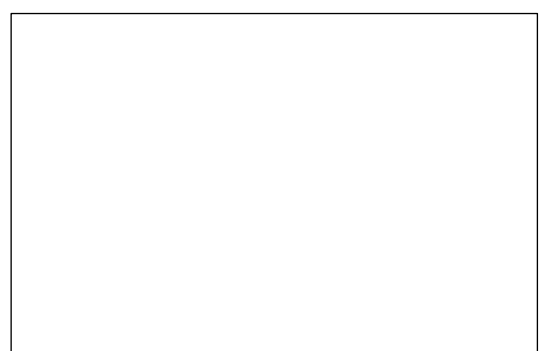
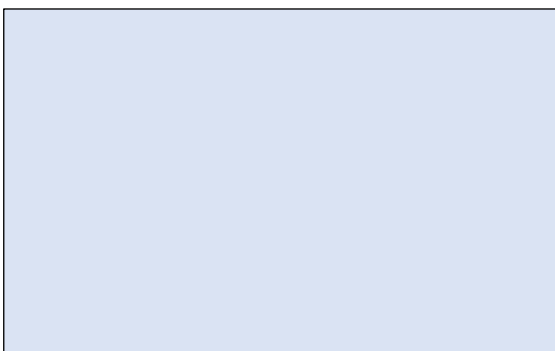
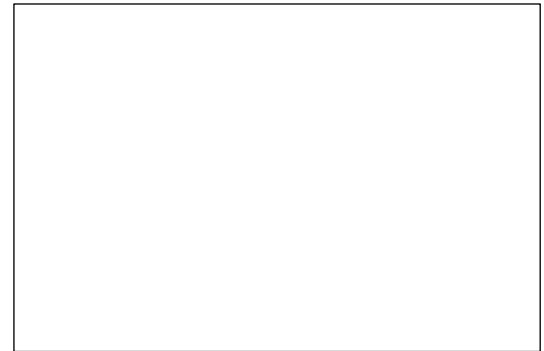
Summarise into 5 key points.

- 1.
- 2.
- 3.
- 4.
- 5.



PiXL Revisit: Reduce and Transform

Weather hazards UK: identify the key points about a range of weather hazards that affect the UK, then transform them into a set of images.





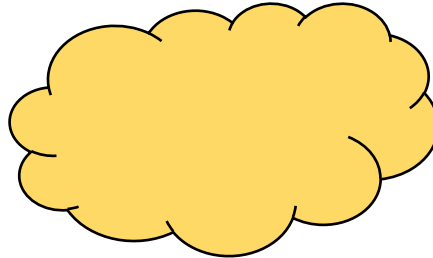
PiXL Revisit: Prioritise - Significance and Importance

Weather hazards: for your case study of a tropical storm, identify key knowledge and understanding (location, causes, effects and responses). Then prioritise.

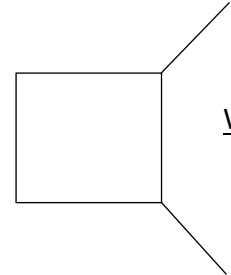
Notes:

1.

Key Facts, Dates, Words, Places

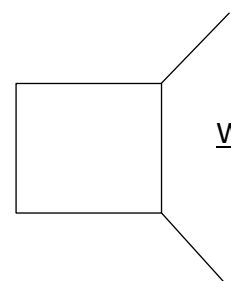
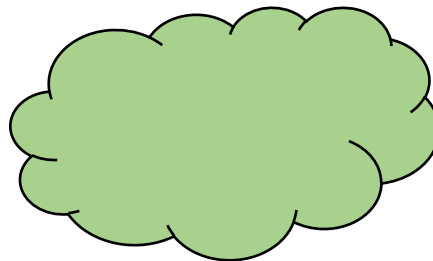


Number of Priority:



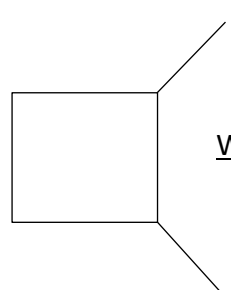
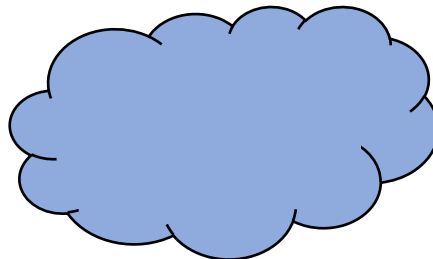
WHY?

2.



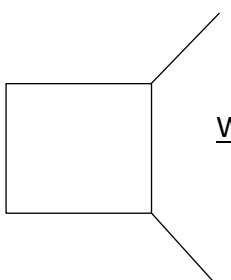
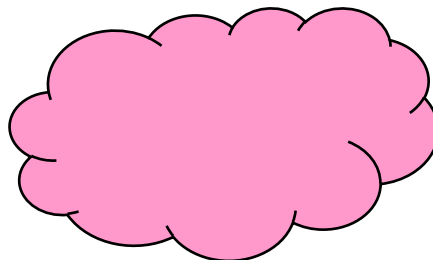
WHY?

3.



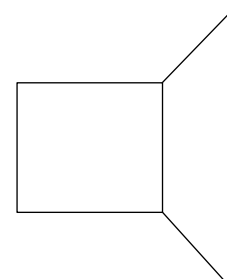
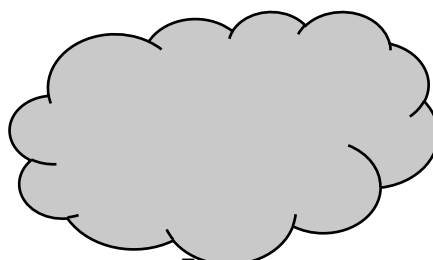
WHY?

4.



WHY?

5.

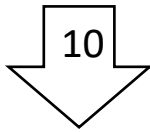


WHY?



PiXL Revisit: Chunk It

weather hazards



Chunk the learning from this topic. You could start with the most important or the most difficult to learn.

1..

2.

3.

4.

5.

6.

7.

8.

9.

10.



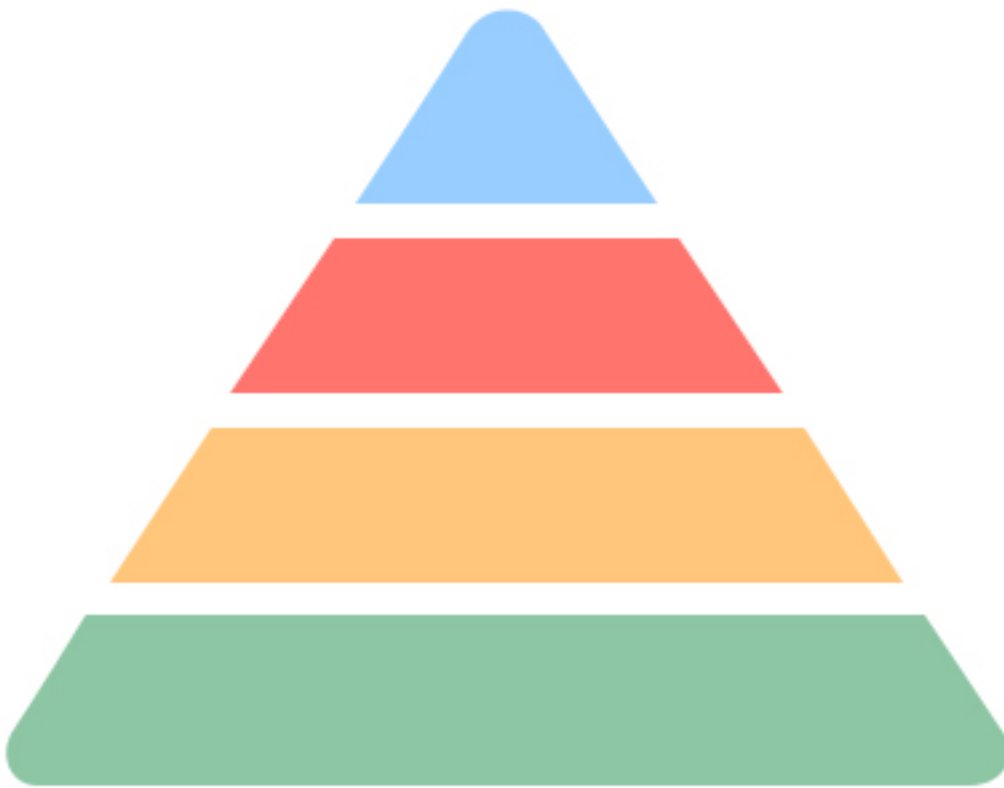
PiXL Revisit: Ranking Triangle

Weather hazard event: _____

Name of the place: _____

Date of event: _____

Responses to weather hazards. Identify the **immediate and long-term response** to a hazard you have studied. The most effective response goes at the top and then the least important at the bottom. Make sure you justify **WHY** you think it is the most/least important.



Justification: _____



PiXL Revisit: Ranking Triangle

Weather hazard UK: Identify the **evidence of extreme weather hazards in the UK**. The most significant evidence goes at the top and then the least important at the bottom. Make sure you justify WHY you think it is the most/least significant.



Justification: _____



PiXL Revisit: Thinking Hard Model

Weather hazards. Management can reduce the effects of tropical storms. How monitoring, prediction, protection and planning can reduce the risks from tropical storms.

Take a section of text or your notes and do the following:

1) Prioritise: Write the three most important concepts/facts here. Rank 1-3, briefly explain number 1.

2) Reduce: Reduce the key information into 12 words

3) Transform: Transform this information into four pictures or images (no words allowed)

4) Categorise: Sort this information into three categories. Highlight and think of a suitable title for each category.

5) Extend: Write down three questions you'd like to ask an expert in this subject.



PiXL Revisit: Quizzing - Weather Hazards

Read your notes for this topic and come up with 10 questions to ask someone about the topic. (Think about how you will use command words, e.g. describe, explain, assess, evaluate, justify, to what extent)

	Question	Answer
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



PiXL Revisit: Sorting

How climate change might affect the distribution, frequency and intensity of tropical storms.

distribution

frequency

intensity

Specific
detail

Specific
detail

Specific
detail

Taken from the article: 'What Will Improve a Student's Memory?' by Daniel T Willingham (http://www.aft.org/sites/default/files/periodicals/willingham_0.pdf)



PiXL Revisit: Sorting

Weather hazards: Tropical storms have significant effects on people and the environment. Identify **the primary and secondary effects of tropical storms.**

Name and date of tropical storm: _____

Primary effects

Secondary effects

Sort it. **Key:** **S** = social impact (people)

En = Environmental (natural surroundings)



PiXL Revisit: Sorting

Weather hazards UK: Extreme weather events in the UK have impacts on human activity. Identify **the causes, impacts and the management strategies that can reduce risk.**

Name and date of extreme weather event in the UK: _____

Causes

I
m
p
a
c
t
s

Social

Economic

Environmental

Responses



PiXL Revisit: Transform

Extreme weather in the UK: transform this map into the key points about the pattern of **heat waves in the UK**.

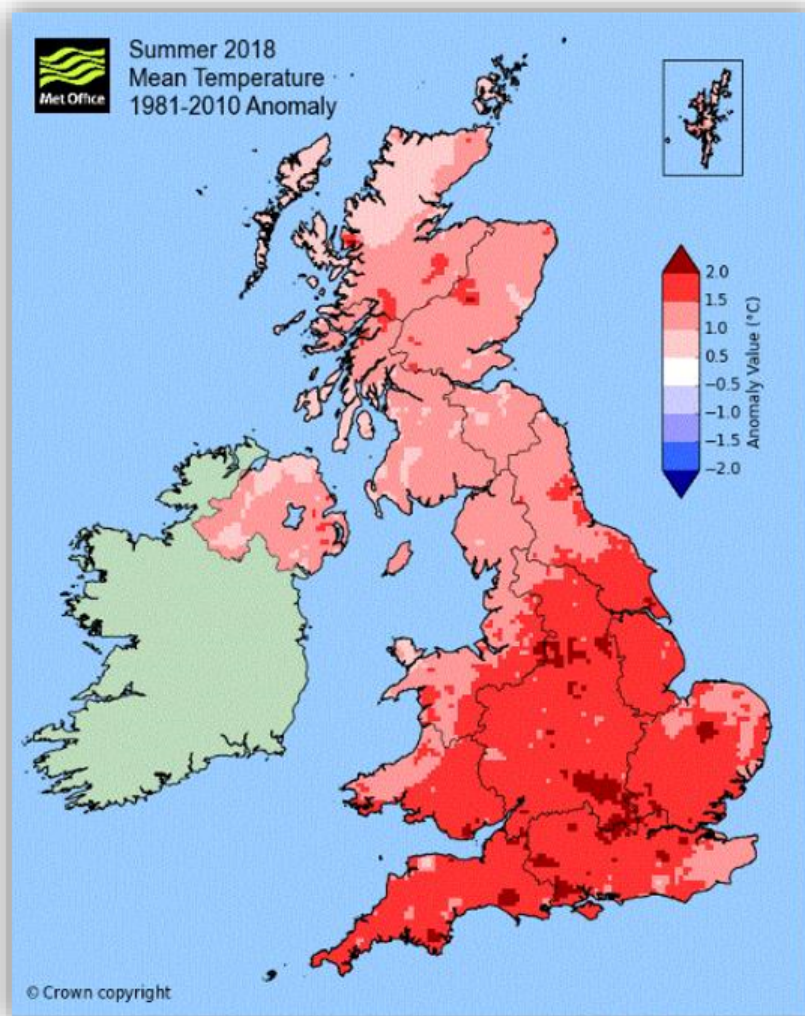


Image source: [the environment agency UK](#).

Describing maps **PADL**

P = pattern and trends

A = anomalies

D = data (here can be place)

L = link to the question

Key Points

1.

2.

3.

4.

5.

6.

Most
important
+ WHY:



PiXL Revisit: Zone and Sort

Extreme weather in the UK: Zone this photograph to identify the social, economic and environmental impacts of flooding in the UK.

Key Points

Social

Economic

Environmental



Image source: the environment agency UK. Flooding in the Somerset levels
December 2013 – January 2014

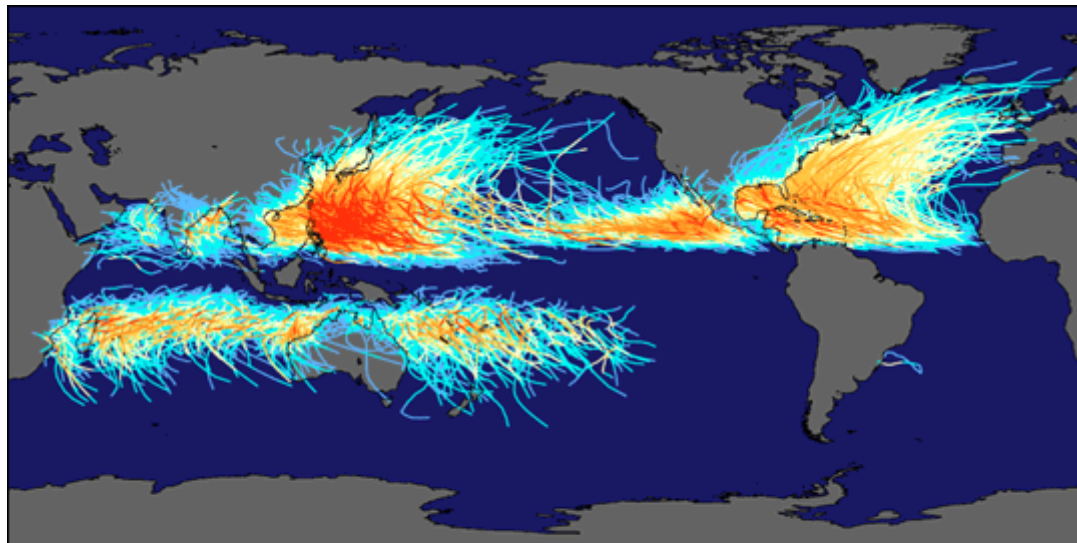
**Most
important
+ WHY:**



PiXL Revisit: Transform

Weather hazards: transform this map into the key points about the **global distribution of tropical storms**.

Image source: earthobservatory.nasa.gov.



Saffir-Simpson Hurricane Intensity Scale

Category	1	2	3	4	5
tropical depression					
tropical storm					

Most
important
+ WHY:

Key Points

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Describing maps **PADL**
P = pattern and trends
A = anomalies
D = data (here can be place)
L = link to the question



PiXL Revisit: Examine It

NOTES

Topic:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Key Words

Key Dates

Key Facts

Key places

Exam Question.



PiXL Revisit: Reduce to 6 points

Weather hazards:

Information

R
E
D
U
C
E



Reduce to 6 points

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



Reduce to 3 key points

- A.
- B.
- C.

Information

P
R
I
O
R
I
T
I
S
E



Prioritise (most important)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



WHY?



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