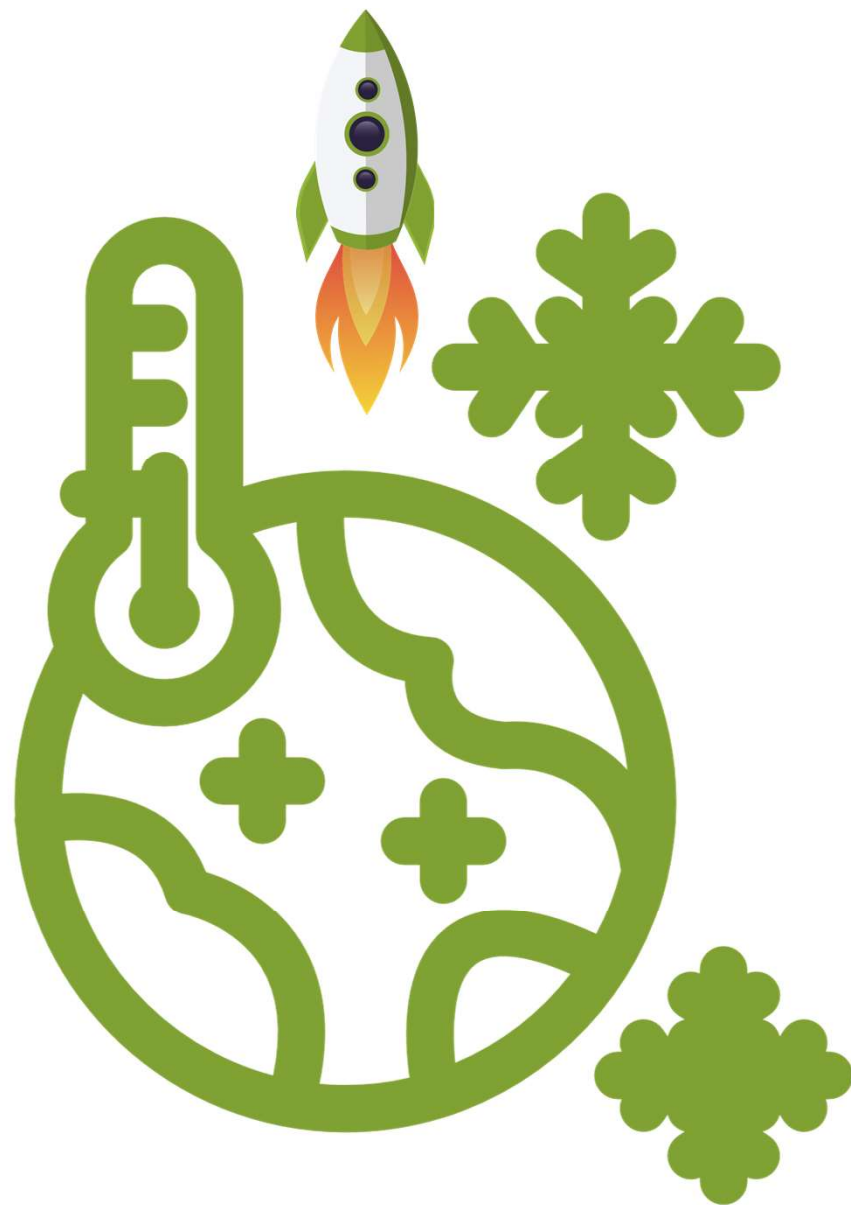# internet geography

Weather Hazards

Revision Boost

Interactive Revision

Check out the interactive flashcards, multiple-choice quizzes and short answer questions on internetgeography.net
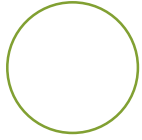
tinyurl.com/hazrev

tinyurl.com/hazrev

After you've completed each section of this booklet go to tinyurl.com/hazrev and complete the interactive revision activities for each section.
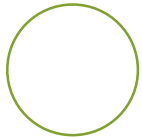
Key Terms

Economic impact

Environmental impact

Extreme weather

Global atmospheric circulation

Immediate responses
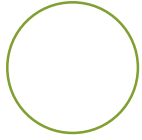
Long-term responses

Management strategies

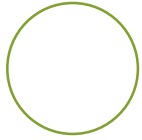Monitoring

Planning

Key Terms

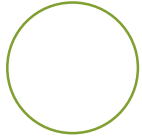**Add a simple image to each key term and give a definition.**

Prediction

Primary effects

Protection

Secondary effects
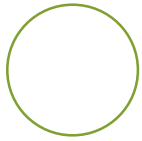
Social impact
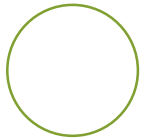
Tropical storm

Define the key terms below.

Global atmospheric circulation	Hadley Cell
Low pressure	Ferrel Cell
High pressure	Polar Cell
Coriolis Effect	Trade winds
Solar insulation	Westerlies
Atmosphere	Easterlies

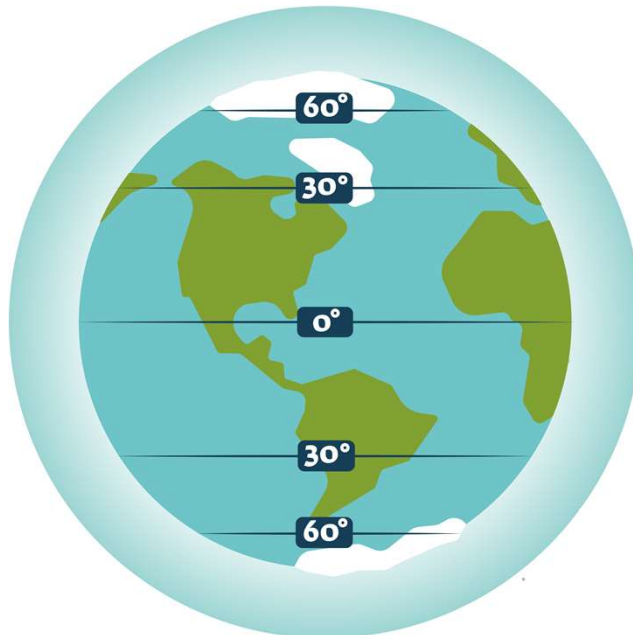**Complete and annotate the diagrams below to explain the influence of latitude on solar insulation.**
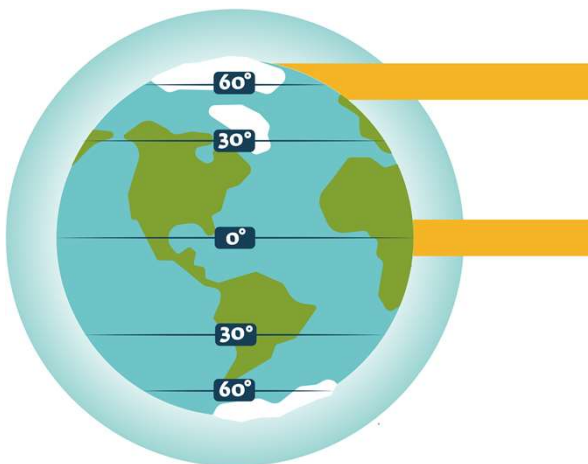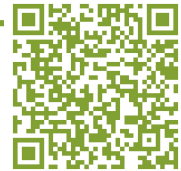
Complete and annotate the diagram below to explain global atmospheric circulation.
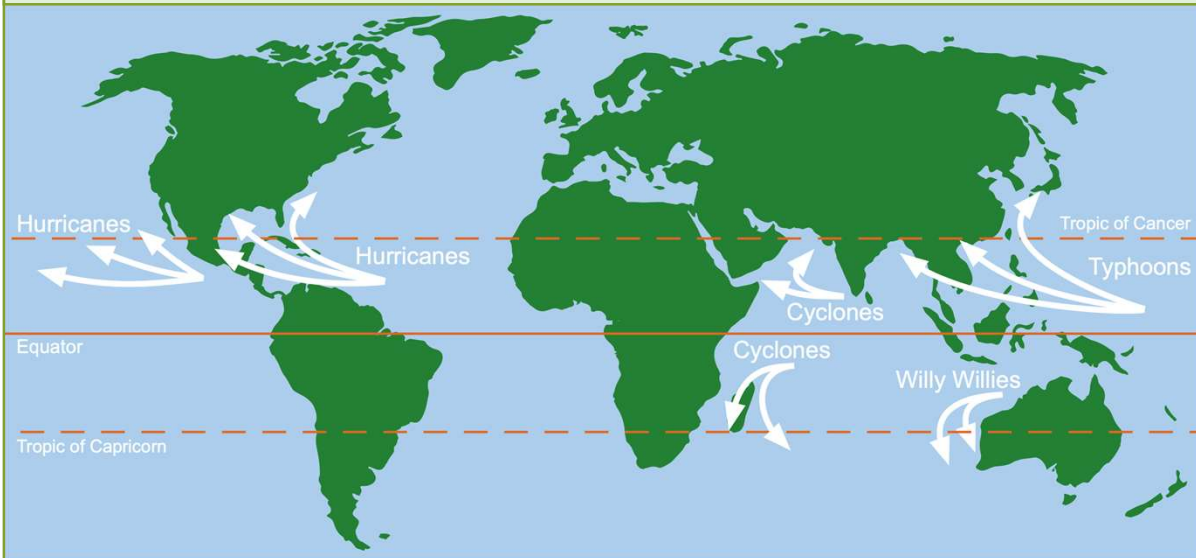
Tropical Storms

Describe the global distribution of tropical storms.

Complete the table below to explain the conditions for tropical storm formation.

Conditions which cause tropical storms	Why does this contribute to their formation?
Low l_____ Between 5-30 degrees north and south of the _____	_____ are higher here than at the Poles so the sea and air are heated more quickly, to higher temperatures. Air pressure is _____, and air rises.
Originate over _____ with temperatures above _____ to a depth of 60-70 metres.	Provides _____ and moisture so warm air rises rapidly.
Between _____ and _____	Typically the warmest seasons to encourage _____ air to rise rapidly, on account of _____ pressure.
Low _____ shear	_____ is constant and doesn't vary so clouds rise to high _____ without being _____ apart.

Tropical Storms

Give an overview of the sequence of the formation of tropical storms.
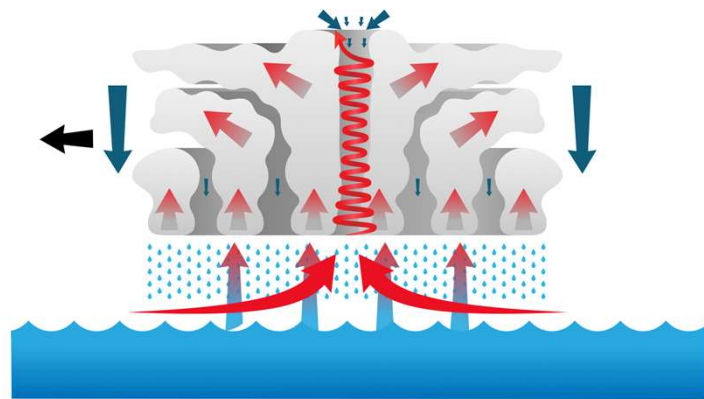
1

2

3

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5

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7

8

Tropical Storms

Annotate the diagram below to show the structure and features of a tropical storm.

Annotate the satellite image below to show the main features of a tropical storm.

Explain how climate change might affect tropical storms in the future.

Climate change is expected to increase atmosphere and sea surface temperatures, and affect tropical storms in the following ways:

Distribution

Frequency

Intensity

Tropical Storm Case Study

Complete the case study for your example of a tropical storm

Case study of a tropical storm: _____

Background information	
Primary effects	Social
	Economic
	Environmental
Secondary effects	Social
	Economic
	Environmental
Immediate responses	
Long-term responses	

Reducing Hazard Risk

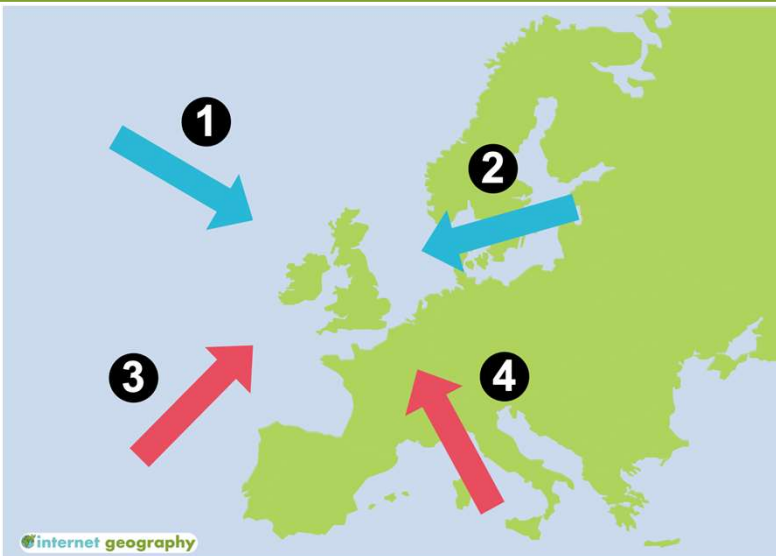|		
Monitoring		
Prediction		
Protection		
Planning		

Define extreme weather

Identify the air masses and their characteristics that affect the UK.

Give an overview of the weather hazards experienced in the UK

Extreme Weather in the UK Case Study

Complete the case study for your example of extreme weather in the UK

Case study of extreme weather in the UK: _____

Background information	
Cause(s)	
Impacts	Social
	Economic
	Environmental
Management strategies	