LITHERLAND HIGH SCHOOL

LIVO ASPIRE 10

Year 7 Geography

Weather Watch – Homework Questions

GEOGRAPHY

1 WEATHER OR CLIMATE?

a) Define weather.

b) Define climate.

c) Give three examples of weather and three examples of climate.

d) Explain why it is important to know the difference between weather and climate.



2 THE SEASONS

a) Describe the typical weather conditions in the UK for:
- spring
- summer
- autumn
- winter



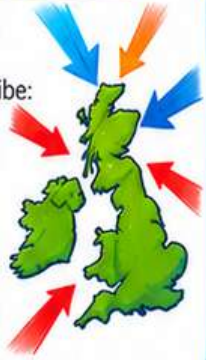
b) Explain how and why the weather changes throughout the year in the UK.

3 UK AIR MASSES

a) Name the six air masses that affect the UK.

b) For each air mass, describe:
- where it comes from
- whether it is hot, cold, wet or dry
- the type of weather it brings to the UK.

c) Explain the difference between a maritime and a continental air mass.



4 FACTORS AFFECTING CLIMATE

a) Explain how each of the following affects climate:
- latitude
- altitude
- distance from the sea



b) Which factor do you think has the biggest influence on climate? Give reasons for your answer.



5 AROUND THE WORLD

a) Using a world map, identify one hot climate, one cold climate and one temperate climate.

b) Describe the climate of each location you choose.

c) Explain why these locations have different climates.



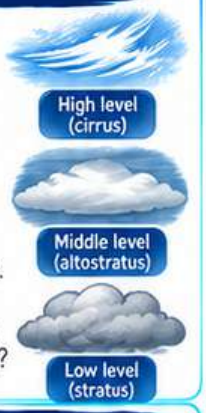
6 CLOUDS

a) What are clouds and how do they form?

b) Describe the three main cloud types (high, middle and low level).

c) Choose two cloud types and explain what type of weather they might indicate.

d) Why are clouds important for predicting the weather?



7 WEATHER INSTRUMENTS

a) Name the following instruments and explain what each one measures.



b) Explain why it is important to use a range of instruments to measure the weather.

8 READING A FORECAST

Look at a real weather forecast (TV, newspaper or website).

a) Summarise the forecast for the next 3 days.

b) Identify and explain the weather symbols used.

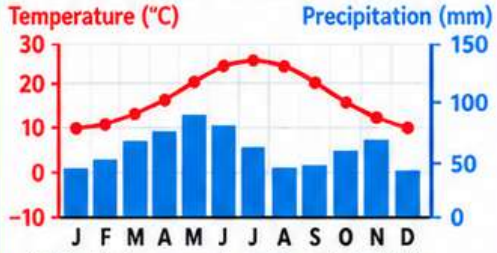
c) What type of weather front is shown (warm, cold or occluded)?

d) How might this weather affect daily life?



9 CLIMATE GRAPH

The climate graph below shows temperature and precipitation for a location. Use it to answer the questions.



a) What is the warmest month and what is the temperature?

b) Which month has the highest rainfall?

c) Describe the overall climate of this location.

d) Suggest where in the world this climate might be found. Explain your answer.

10 EXTENDED CHALLENGE – MAKING A CASE

EXTREME WEATHER events (storms, heatwaves, floods and droughts) are becoming more common. Some people believe this is due to climate change, while others think it is just natural variation in weather.

Write a short article, leaflet or presentation to explain:
- What extreme weather events are.
- Give examples from around the world and/or the UK.
- What causes them.
- What impact they can have on people and the environment.
- Your opinion – do you think climate change is making extreme weather events more common? Give reasons for your answer.



THINK LIKE A GEOGRAPHER!