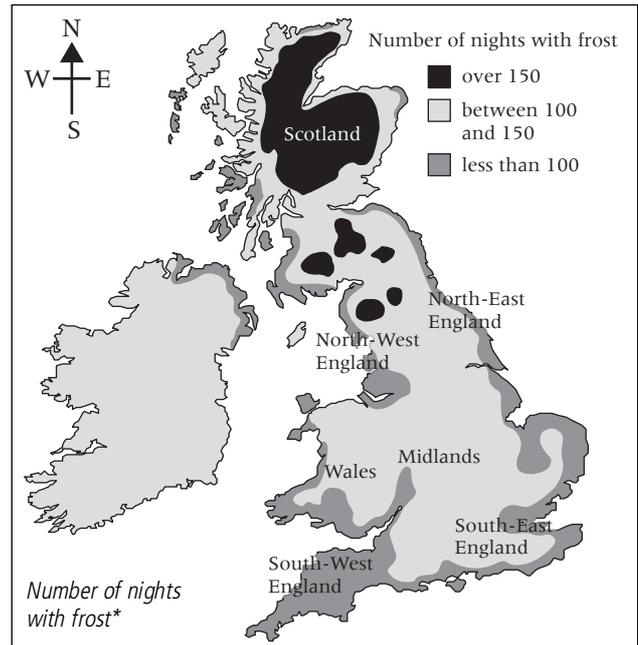
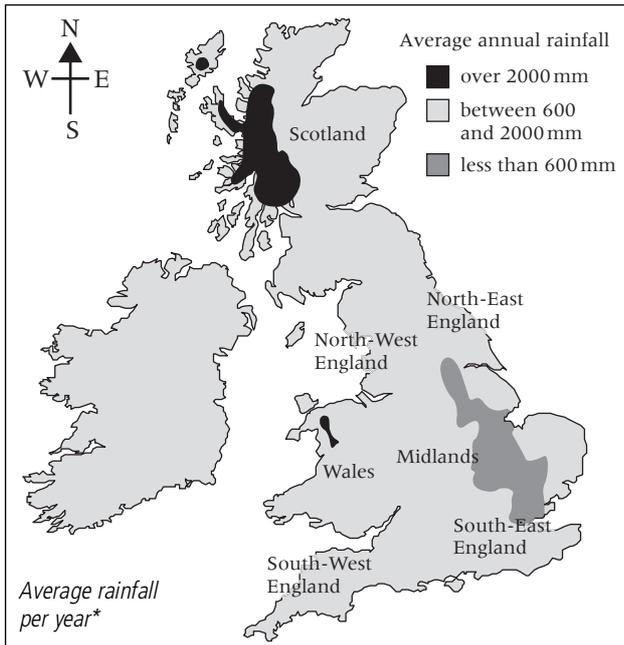


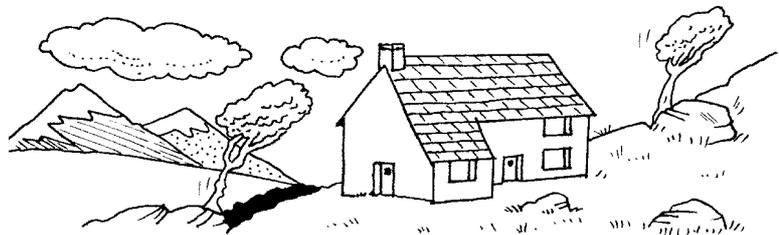
Rocks in the UK are mainly weathered by freeze–thaw action or by chemical weathering. The amount of weathering depends on the weather conditions. The maps below show the average rainfall per year in the UK, and the average number of days per year when it is frosty.



Look at the maps carefully and use them to help you answer the following questions.

- 1 Which area has the highest average rainfall?
- 2 Which area has the lowest average rainfall?
- 3 Frost happens when water in the air freezes. Which area gets the most frost?
- 4 Which areas do you think suffer the most chemical weathering? (*Hint:* Remember that chemical weathering is caused by rain water.)
- 5 Which area do you think suffers the most weathering by freeze–thaw action? Explain your answer.

The stone that this cottage is made from will be changed by weathering.



- 6 Describe how the stone could change and what types of weathering will cause these changes.
- 7 Imagine that you could build this cottage in any part of the UK. Which area would you choose to build in, if you wanted the cottage to last for hundreds of years? Use information from the maps to help you explain your answer.