

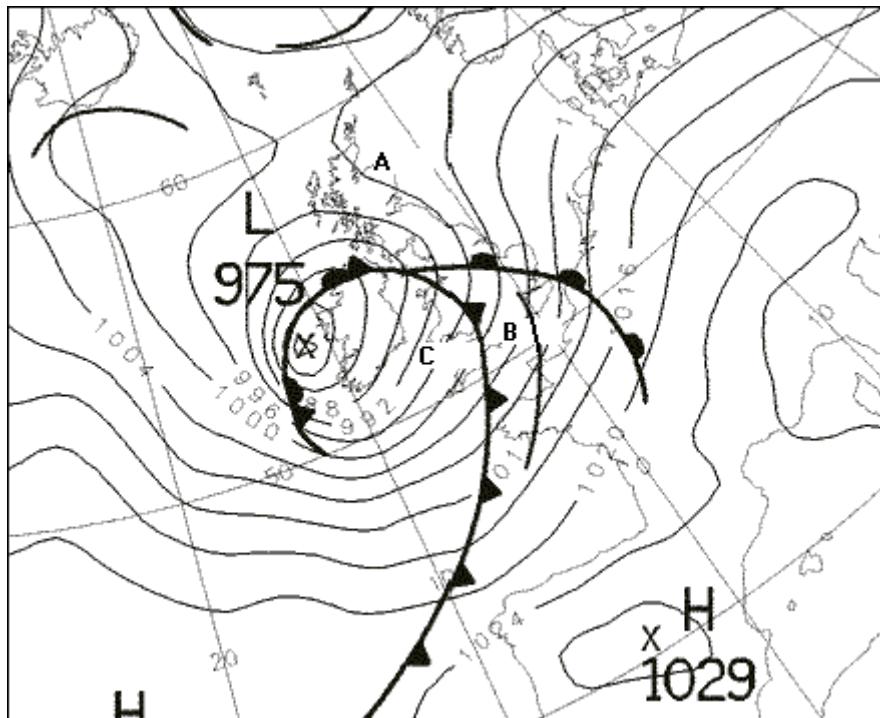
Worksheet 1 – Contrasting Weather Associated with Anticyclones and Depressions

The charts below are synoptic charts showing typical situations of an anticyclone and a depression affecting the UK. On each map several locations are marked. For each of these locations, complete the table below to show the general conditions which could be expected.

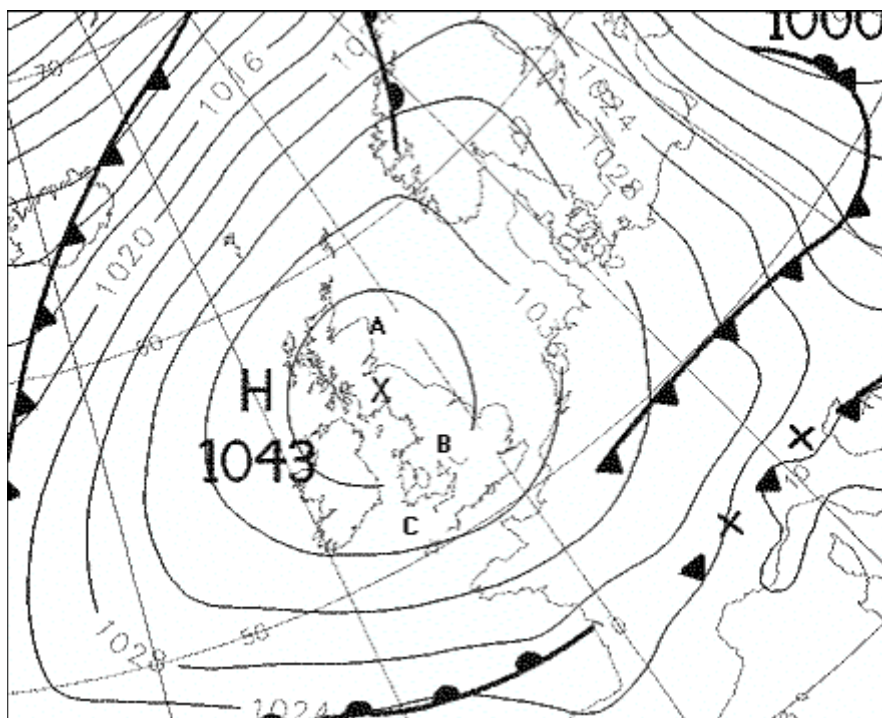
Also briefly describe the reasons for the variations you have highlighted at each location, in relation to air masses, position of fronts etc.

| Element | Location A | | Location B | | Location C | |
|----------------|-------------|------------|-------------|------------|-------------|------------|
| | Anticyclone | Depression | Anticyclone | Depression | Anticyclone | Depression |
| Temperature | | | | | | |
| Wind speed | | | | | | |
| Wind direction | | | | | | |
| Pressure | | | | | | |
| Cloud amount | | | | | | |
| Weather | | | | | | |

Give your reasons for the differences highlighted in your table.



Depression



Anticyclone

What to do next

Now you can complete extension exercise 1 or go on to worksheet 2.