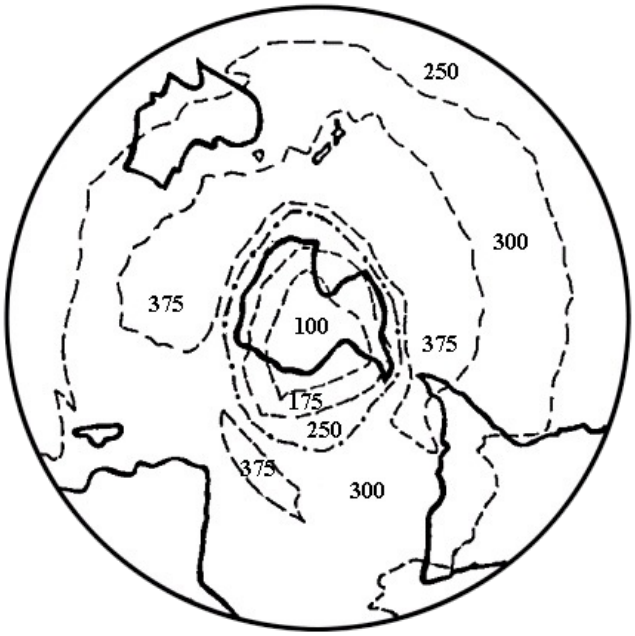
Ozone levels in the Southern Hemisphere

This task is about interpreting information from a diagram about ozone.

On this map of the Southern Hemisphere the ozone concentrations are shown in Dobson Units. Ozone levels in the atmosphere are normally 3 mm thick. This is 300 Dobson Units in scientific measurement.



a) What is the ozone concentration over:

i) New Zealand? _____ Dobson Units.

ii) Australia? _____ Dobson Units.

b) The ozone concentration levels shown on the map indicate the formation of an ozone hole over Antarctica. What does the term 'ozone hole' mean?

c) Write a summary statement about the change in ozone concentration from the Antarctic to New Zealand.

d) In which season does the ozone hole develop over Antarctica?

- Autumn
- Winter
- Spring

e) i) What is the function of the ozone layer?

ii) Why is this function of the ozone layer important for living things?

f) Name an ozone depleting gas.