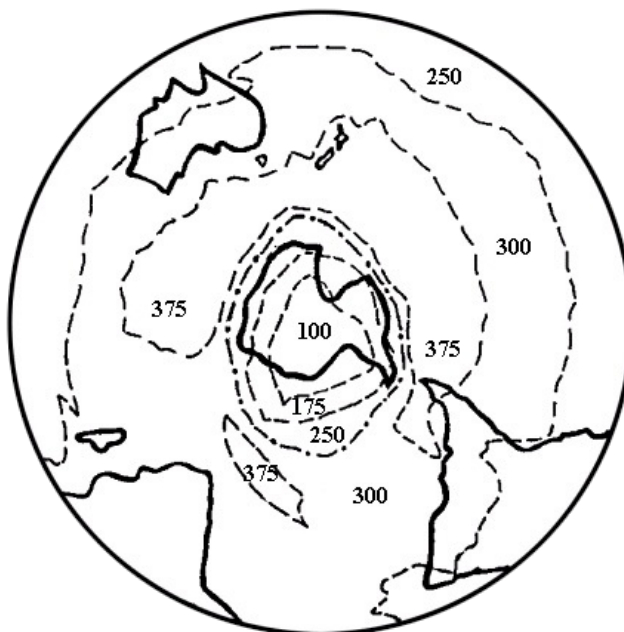


Ozone levels in the Southern Hemisphere

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.

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