

## Quiz – past climate can help predict the future

The correct answers are on the next page.

1. Why is it important to study the past climate?
  - It helps us predict how the climate will change in the future
  - It isn't important
  - To know if it rained last week
  - To know if it will snow tomorrow
2. When did the earth's climate start changing as a result of human activities?
  - The year 2000
  - The Industrial Revolution in the 18th century
  - World War II in 1939
  - One billion years ago
3. What is the name of NIWA's climate network that is used to understand how our national average temperatures have changed over a long period of time?
  - The seven-station series
  - The New Zealand climate network
  - The weather station series
  - The snow and ice network
4. What are some ways scientists can study the past climate before technologies like climate monitoring stations?
  - Ice cores
  - Tree rings
  - Oral and written records
  - All of the above
5. When the climate is warming, what do glaciers normally do?
  - Melt and retreat uphill
  - Accumulate snow and ice and advance downhill
  - Nothing
  - All of the above
6. What usually happens to earth's temperature when carbon dioxide levels go up?
  - It goes down (gets cooler)
  - It stays the same
  - It goes up (gets warmer)
  - None of the above

## Correct answers

1. It helps us predict how the climate will change in the future
2. The Industrial Revolution in the 18th century
3. The seven-station series
4. All of the above
5. Melt and retreat uphill
6. It goes up (gets warmer)