

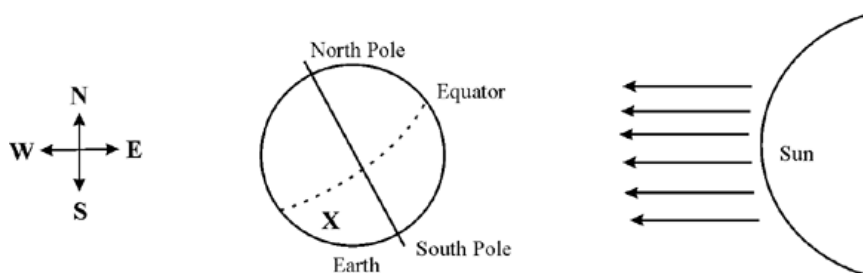
# The Sun and New Zealand

This task is about how the sun affects New Zealand.

While the Earth orbits the Sun, the Earth is also spinning on its axis.

a) How long does it take for the Earth to complete one rotation on its axis?

b) How long does it take for the Earth to orbit the Sun?



New Zealand is located at point X on the map. The Earth spins in a West to East direction. Use the diagram to answer the following questions.

c) What time of day is it in New Zealand?

- ☐ (A) In the evening, just after sunset
- ☐ (B) Nearly midnight
- ☐ (C) In the morning, just before sunrise
- ☐ (D) Late morning, around 11:00 a.m.
- ☐ (E) Approaching late afternoon, around 4:00 p.m.

d) What season is it in New Zealand on the diagram?