

# Earth

# 2. Universe

## CONCEPT 1

## TEST YOURSELF

### THE EARTH IN SPACE

#### KNOW

- Q1 (a) What is the length of a day on Earth?  
(b) What has happened to the Earth during one complete day?
- Q2 (a) What is the length of a year on Earth?  
(b) What has happened to the Earth during one complete year?

#### APPLY

- Q3 Look at the graph. How does the length of a day in northern France compare to the Arctic Circle on:  
(a) 21 December (b) 21 June
- Q4 What is special about 21 March and 21 September?
- Q5 Why is Britain:  
(a) colder in winter? (b) hotter in summer?

#### EXTEND

- Q6 Why does the Sun never set at and near the North Pole at midsummer (21 June)?
- Q7 Mars is tilted on its axis more than Earth. It spins at about the same rate as the Earth but takes twice as long to complete one orbit.

From this information, suggest how Mars' day, seasons and years might differ from those on Earth.