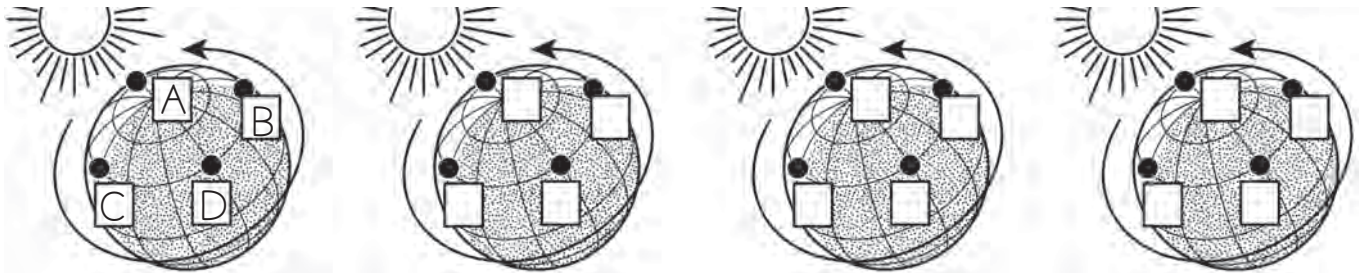


Geography - Time zones around the world

1 Read and label the diagrams.

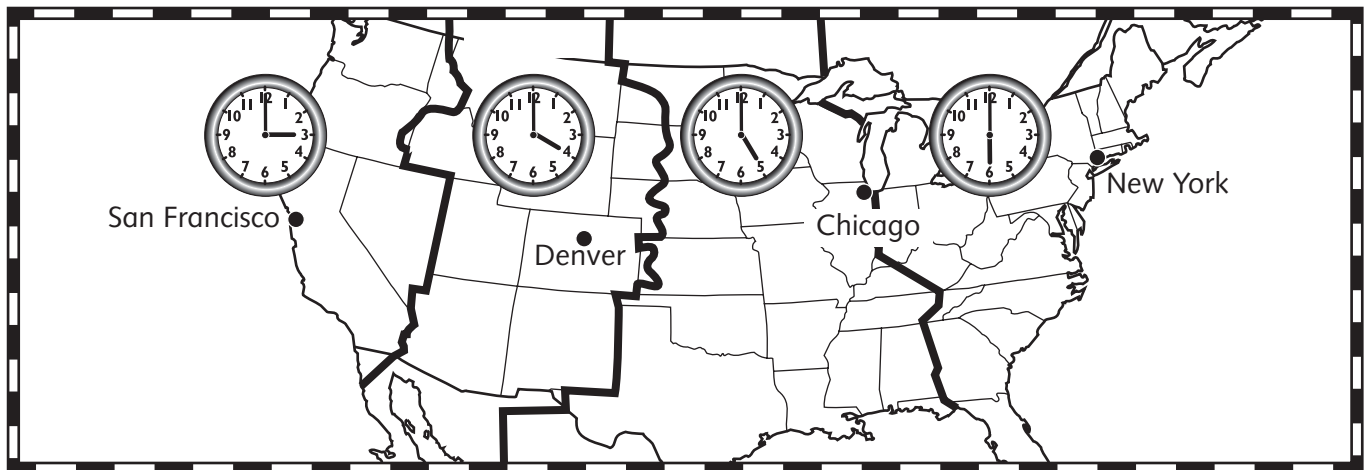
A B C D

The Earth rotates and different parts of the Earth are in sunlight at midday.



- 1 It's midday at A. 2 It's midday at B. 3 It's midday at C. 4 It's midday at D.

2 Read and answer the questions.



- 1 It's three o'clock in New York. What time is it in San Francisco?
It's twelve o'clock in San Francisco.
- 2 It's ten o'clock in Denver. What time is it in New York?

- 3 It's five o'clock in San Francisco. What time is it in Chicago?

- 4 It's seven o'clock in Chicago. What time is it in Denver?

- 5 It's nine o'clock in New York. What time is it in Chicago?

- 6 It's one o'clock in Denver. What time is it in San Francisco?

Subject: Geography

Time zones around the world

Objective: Time zones around the world
Vocabulary: countries, *earth, sun, sunlight*

Introduction

In primary education pupils often study the rotation of the Earth on its own axis and its movement around the Sun. Night and day and the seasons of the year are among the many results caused by the movements of the Earth.

Warm up

- Bring a powerful torch and a large ball to class. If possible, fix a string around the ball so that it can be dangled.
- Ask a student to hold the string (or the ball) so that all the pupils can see it.
- Ask pupils to imagine the ball is the Earth.
- Shine a torch on the ball. Say: *This is sunlight.*
- Ask: *Where is it daytime?* Ask a student to show the area on the ball.
- Repeat with *nighttime.*

Activity 1

- Read the introductory line of text out loud.
- Point to and name the parts of the diagram: the *Earth, the Sun, sunlight.*
- Ask a student to read the first sentence out loud. Ask: *Where is A?* Pupils point to the place on the diagram.

- Repeat with the rest of the sentences. Pupils write the letter in the "midday" position.
- Pupils complete the remaining letters on the diagrams.

Activity 2

- Ask: *What time is it?* Ask: *Is it the same time all over Spain? What time is it in Las Palmas?* Explain that there are two time zones in the Spanish state.
- Point to the map on the worksheet. Ask: *What country is this?*
- Read the introductory text out loud. Ask: *How many time zones are there in the USA?* Point to and name the time zones on the map.
- Ask a student to read the first question out loud. Ask pupils to provide the answer.
- Continue with the rest of the questions.
- Pupils write the answers.

Answer key 1-12:00; 2-12:00; 3-7:00; 4-6:00; 5-8:00; 6-12:00

Project ideas

- Pupils make a list of the places in the world in their time zone.
- Make a sundial in the playground. Note the position of the shadow at different times of the day.
- Make a note of the time of sunrise and sunset over a period of time (two weeks).