Natural Sciences - Landscape transformation
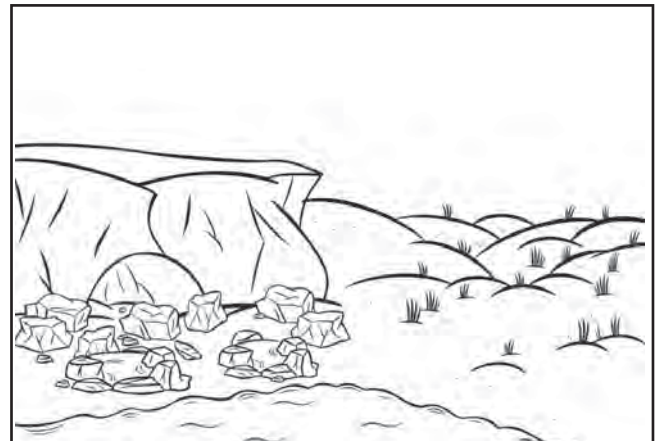
1 Label the picture.

| cliff | beach | pool | rocks | sand dune | cave |

3 C L I F F

6 S _ _ _ _ _ _ _

2 C _ _ _ _

4 R _ _ _

5 B _ _ _ _

1 P _ _ _ _
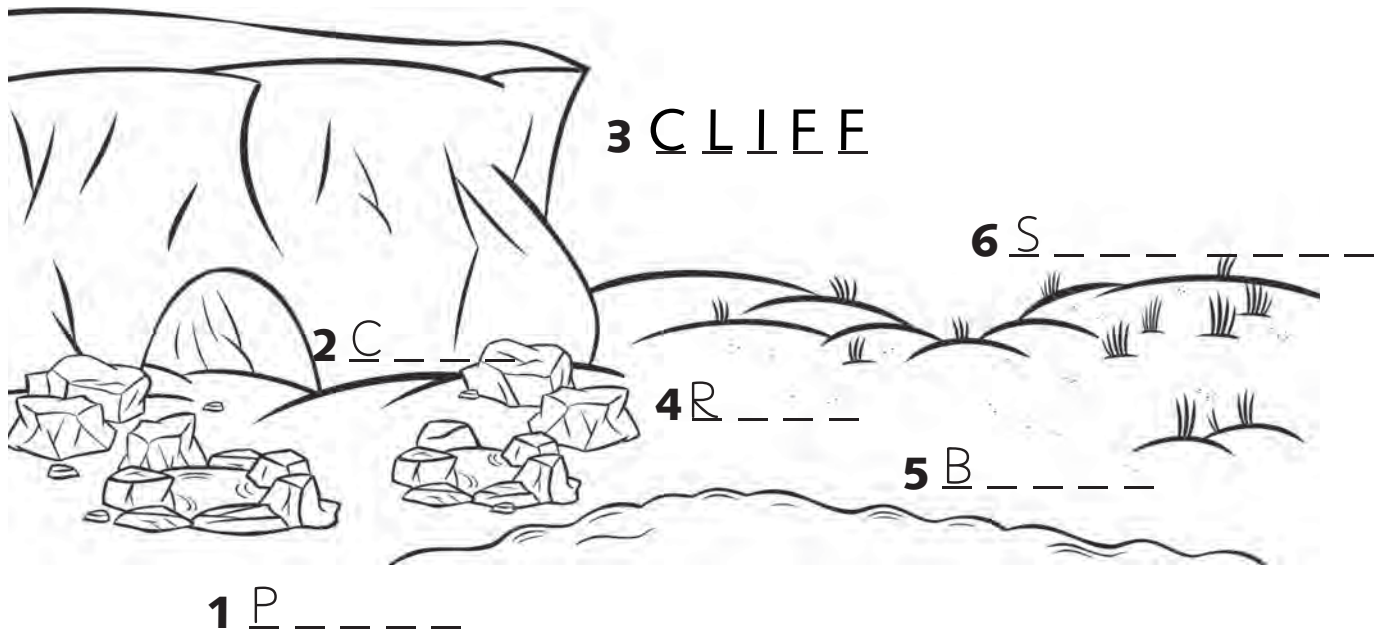
2 The waves in the sea change the environment.

Compare the pictures. Colour six differences in the pictures.

3 Look at the pictures above. Complete the sentences.

| wider | bigger | smaller | lower | deeper | ~~narrower~~ |

1 The beach on the left is *narrower*. **2** The sand dunes are _____.

3 The rock pools are _____. **4** The beach on the right is _____.

5 The cliff is _____. **6** The cave is _____.

TEACHER'S NOTES

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Subject: Natural Sciences

Landscape transformation

> **Objective:** Landscape transformation
> **Vocabulary:** *cliff, beach, pool, rocks, sand dunes, cave*

Introduction

The effect of the wind and the sea on the landscape is a subject for study in this worksheet. Pupils learn how a cliff is formed by the pounding of the waves and how stones and rocks are broken down to make the sand on a beach.

Warm up

- Brainstorm with the class words related to the beach. Make a list on the board.
- Ask pupils about their favourite beaches. *Where is your favourite beach? What is the name of the sea? What can you find on the beach?*
- Help pupils reflect on the changing landscape of a beach. Ask: *Is the beach always the same? Are the rocks in the same place? Is the sand the same? What happens to your sandcastles?*

Activity 1

- Pupils name the elements in the picture.
- Pupils label the picture.

Answer key 1-pool; 2-cave; 3-cliff; 4-rocks; 5-beach; 6-sand dune

Activity 2

- Read the title of the activity out loud.
- Point to the first picture. Say: *The beach is smaller because the tide is up.*
- Point to the first picture and ask: *What are the waves doing?*
- Point to the second picture. Say: *The tide is out.* Point to the pictures. Say: *The beach is different.*
- Pupils colour the differences.

Activity 3

- Pupils complete the sentences describing the differences.

Answer key 1-narrower; 2-lower; 3-deeper; 4-wider; 5-smaller; 6-bigger

Project ideas

- Pupils draw a picture of a beach they are familiar with. Show, with arrows, the action of the waves.
- Make a model of a beach in a plastic tray. Include rocks to make cliffs and vegetation.