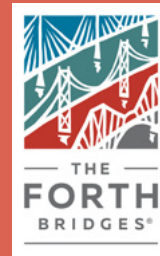


# Forth Bridges Family Quest Level 1



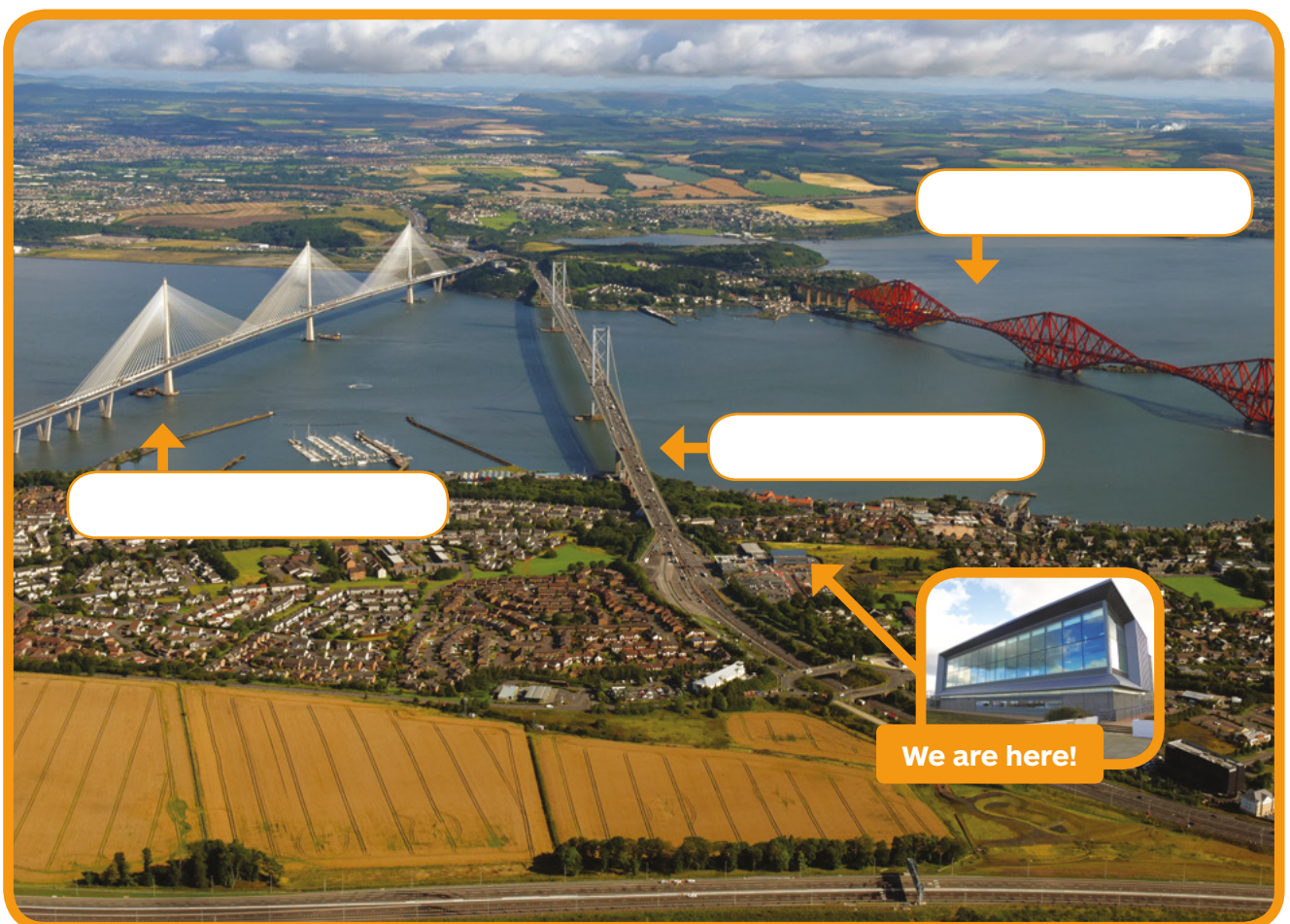
Name:

Date:

## Welcome to your Forth Bridges Family Quest!

Complete as many challenges as you can using the information in the CEC exhibition area, the bridges viewing platform and the booklets found in the centre. Good Luck!

Look at the three bridges crossing the Firth of Forth. Don't you think they look huge!



Can you match the bridge to its name?

Forth Road Bridge

Forth Bridge

Queensferry Crossing

Please turn over





## Can you answer the following Family Quest questions?

1. Which bridge is the tallest?



2. Which bridge has 2 towers?



3. Which bridge carries trains across the Forth?



4. Each bridge carries different types of traffic. Can you match the traffic to each bridge? Some can use more than one bridge.

pedestrian

motorbike

dog walker

lorry

taxi



car

bus

bicycle

tractor

scooter

train

## The Forth Bridge



The Forth Bridge is a **CANTILEVER** bridge and carries trains across the Firth of Forth.

The Forth Bridge has three cantilevers, each with its own name:

**FIFE** is the north cantilever

**INCHGARVIE** is the middle cantilever

**EDINBURGH** is the south cantilever

Can you draw a picture of one of the Forth Bridge's cantilevers?







## The Forth Road Bridge



The Forth Road Bridge is a **SUSPENSION** bridge

How many towers can you count? (circle your answer)

1

2

3

4

Now draw one of the Forth Road Bridge's towers:



How many triangles can you count on one tower?  
Colour your triangles BLUE.

## The Queensferry Crossing



There is a special name for its design: the Queensferry Crossing is a **CABLE-STAYED** bridge. This bridge has 288 cables connecting the road deck to the towers.

**Can you draw a picture of the Queensferry Crossing?**





## Wildlife challenge

Environmental engineers look out for different animals that are found in the water or on land.

**Can you identify and name all the water animals pictured below?**

**Circle** the animals you might find living around the Firth of Forth. **Cross out** any that you would not find here.

### Water animals



Salm \_ \_



Or \_ \_ Wh \_ \_ \_



Grey S \_ \_ \_



S \_ \_ \_ \_ \_



Sh \_ \_ \_



Cl \_ \_ \_ F \_ \_ \_



T \_ \_ \_ \_ \_



Harbour S \_ \_ \_



Porp \_ \_ \_ \_



## Land animals

Can you identify and name all the land animals pictured below?

**Circle** the animals you might find living around the Firth of Forth. **Cross out** any that you would not find here.



O \_ \_



B \_ \_ \_ \_



D \_ \_ \_



P \_ \_ \_ \_



Long-eared B \_ \_



Sk \_ \_ k



R \_ \_ \_ \_



F \_ \_



O \_ \_ \_ \_



### What shapes can you see on the bridges?

Colour any of the shapes you can see on a bridge. Can you name any of the shapes?

