



WORKSHEET: CARD GAME



| | | | | |
|------------------|----------------------|-------------------|-----------------------|---|
| Source | High land | Steep slopes | Narrow valley sides | Narrow and shallow river channel with a rocky bed |
| V-Shaped valleys | Waterfalls | Gentler slopes | Wider, deeper channel | Faster flow |
| Meanders | Meanders | Oxbow lake | Floodplain | Floodplain |
| Oxbow lake | Low lying, flat land | Wide valley sides | Wide river channel | Fastest flow |
| Estuary | Levees | Mouth | | |

UPPER COURSE

MIDDLE COURSE

LOWER COURSE

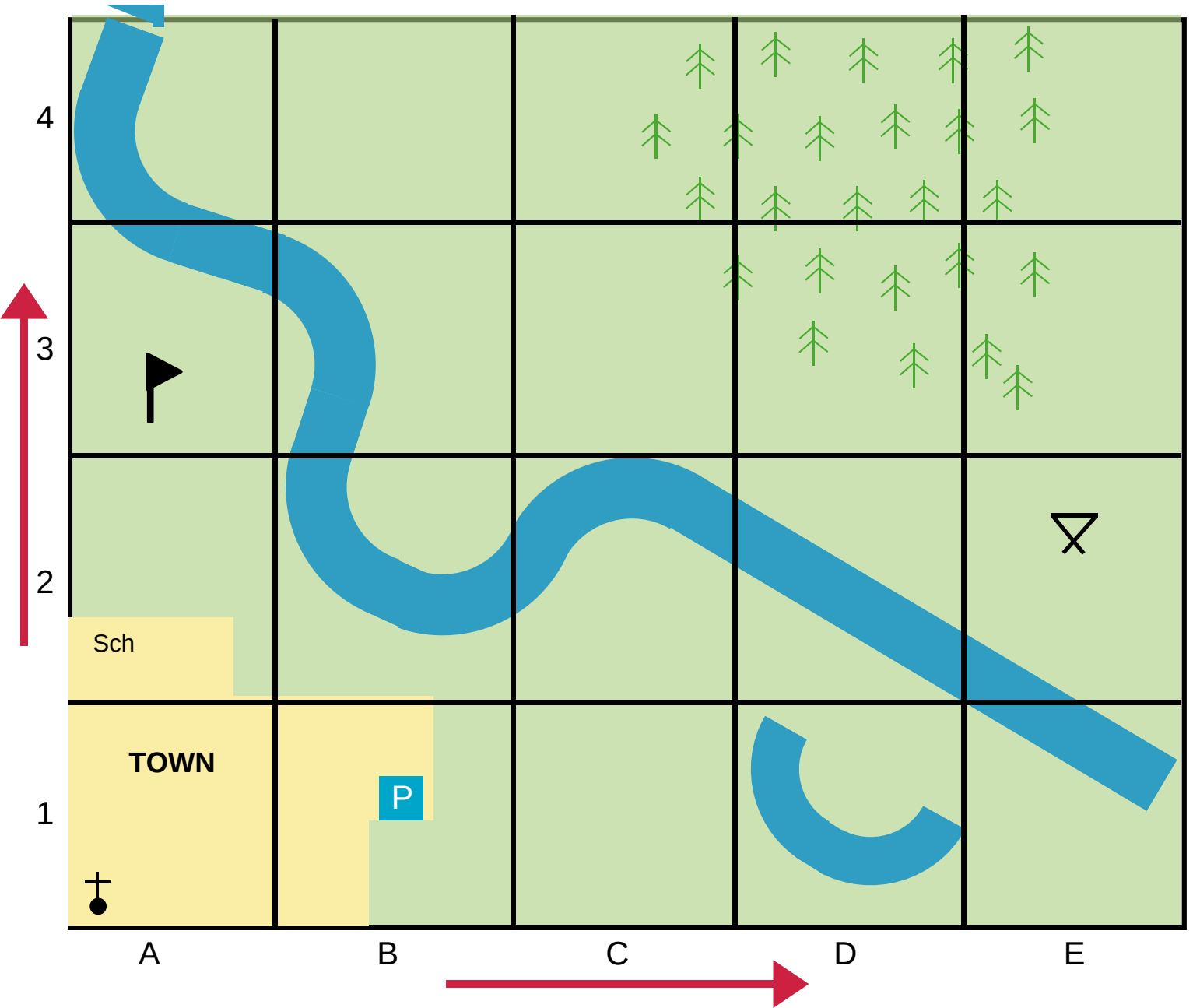


WORKSHEET: FACTORS AFFECTING THE FLOW OF A RIVER





WORKSHEET: MAP READING



Write down the coordinates for the following:

| Key | |
|-----|------------------|
| | Car park |
| | Place of worship |
| | Golf course |
| | Picnic site |
| | School |

- Meanders: (,) (,) (,) (,)
- Oxbow lake: (,)
- School: (,)
- Place of worship: (,)
- Picnic site: (,)
- Car park: (,)
- Golf course: (,)



HOMEWORK: RIVER LANDFORMS

Correctly match up the river landform with its description and where in the river's course it can be found. A landform can link to more than one course.

Upper Course

Meander

Created when a river erodes both vertically and horizontally.

Estuary

A steep drop in the course of a river. They form when water flows over hard rock that overlies softer rock.

V-Shaped Valley

A bend in the river channel created by the speed of the water, erosion and deposition.

Middle Course

Floodplain

The point where a river meets the sea.

A curved lake, created when the gap between a meander bend gets smaller.

Waterfall

The flat land next to a river where water flows onto when a river overtops during a flood.

Lower Course

Oxbow lake



WORKSHEET: CHANGES ALONG A RIVER'S COURSE

Fill in the blanks to explain how the land, the river channel and landforms change along a river's course.

The start of a river is called the _____ and this is in the _____ course of the river. Here the channel is _____ and _____ with a _____ bed. The land is _____ and _____. Here, the following landforms can be found: _____ and _____.

In the _____ course of the river, the channel is _____ and _____ than the upper course and the land is gently sloping. In this part of the river, there are the following landforms: _____, _____ and _____.

In the _____ course of the river, the land is _____ and _____ with _____ valleys. Here the channel is at it's widest and the flow is at it's _____, and ends at the river's _____.

Here there are the following landforms: _____, _____, _____, _____ and _____.

| | | | |
|-------------|-------------|------------------|------------|
| Deeper | Lower | Oxbow lakes | Waterfalls |
| Deltas | Meanders | Rocky | Wide |
| Fastest | Meanders | Shallow | Wider |
| Flat | Middle | Source | Widest |
| Floodplains | Mouth | Steep | |
| Floodplains | Narrow | Upper | |
| High | Oxbow lakes | V-Shaped valleys | |



WORKSHEET: RIVER LANDFORMS WORD SEARCH

Find the words listed below in the word search. They can appear horizontally, vertically, diagonally and backwards.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | I | V | E | R | A | R | D | E | L | T | A | X | O |
| V | T | H | X | D | P | M | A | D | N | O | S | W | X |
| U | S | C | B | M | S | O | U | R | C | E | V | E | B |
| E | W | H | Q | R | O | U | A | Y | M | W | X | A | O |
| J | G | A | A | E | H | T | N | B | F | A | B | T | W |
| R | S | N | R | P | F | H | N | N | P | T | R | H | L |
| E | J | N | E | A | E | O | L | Q | I | E | G | E | A |
| D | H | E | D | W | I | D | E | A | R | R | F | R | K |
| N | R | L | T | S | G | B | V | S | A | F | L | I | E |
| A | F | F | O | U | B | R | E | A | V | A | D | N | M |
| E | V | R | U | T | Q | P | E | S | L | L | K | G | A |
| M | E | D | M | Q | I | E | D | C | A | L | N | P | E |
| S | B | U | N | O | I | T | I | S | O | P | E | D | H |
| F | L | O | O | D | P | L | A | I | N | X | O | Y | R |

Channel

Floodplain

Oxbow Lake

Waterfall

Delta

Levee

River

Weathering

Deposition

Meander

Source

Erosion

Mouth

V-Shaped Valley





WORKSHEET: LANDSCAPE AND CHANNEL CHANGES ALONG THE RIVER EDEN

Using Google Earth, we are going to look at how the landscape and river channel changes along the River Eden.



Type in the following locations:

- Hughs Seat, Vale of Eden
- Carlisle, Cumbria

Thinking back to what you learnt in the lesson, your task is to write down what you notice about the size of the river channel (e.g. wide or narrow), the surrounding land (e.g. hilly or flat), what things may affect the flow of the river and any river landforms you see in these two locations.

Once you have done this, circle whether you think that location is in the upper or lower course of the River Eden.

Hughs Seat (Upper course or lower course)

Carlisle (Upper course or lower course)