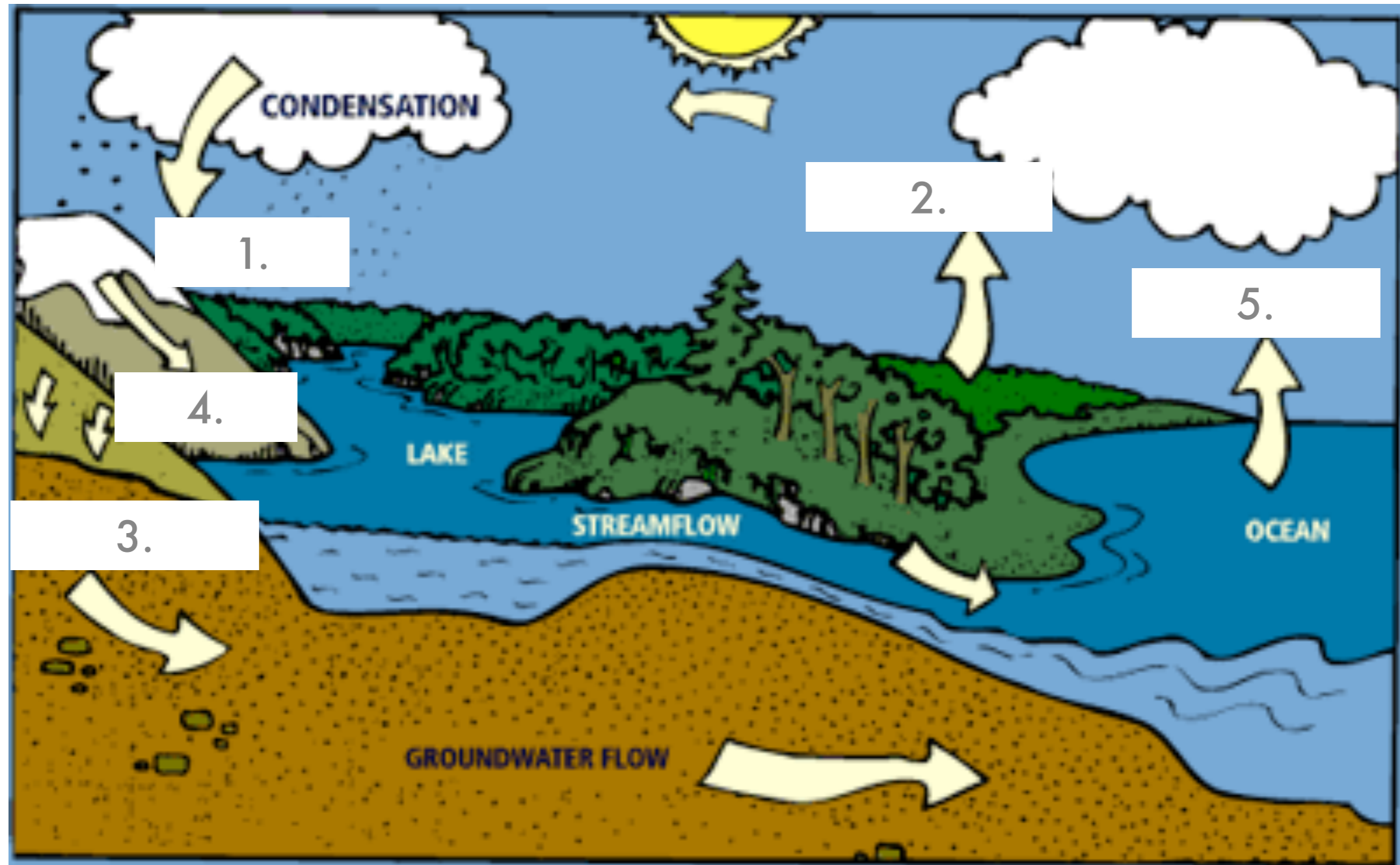


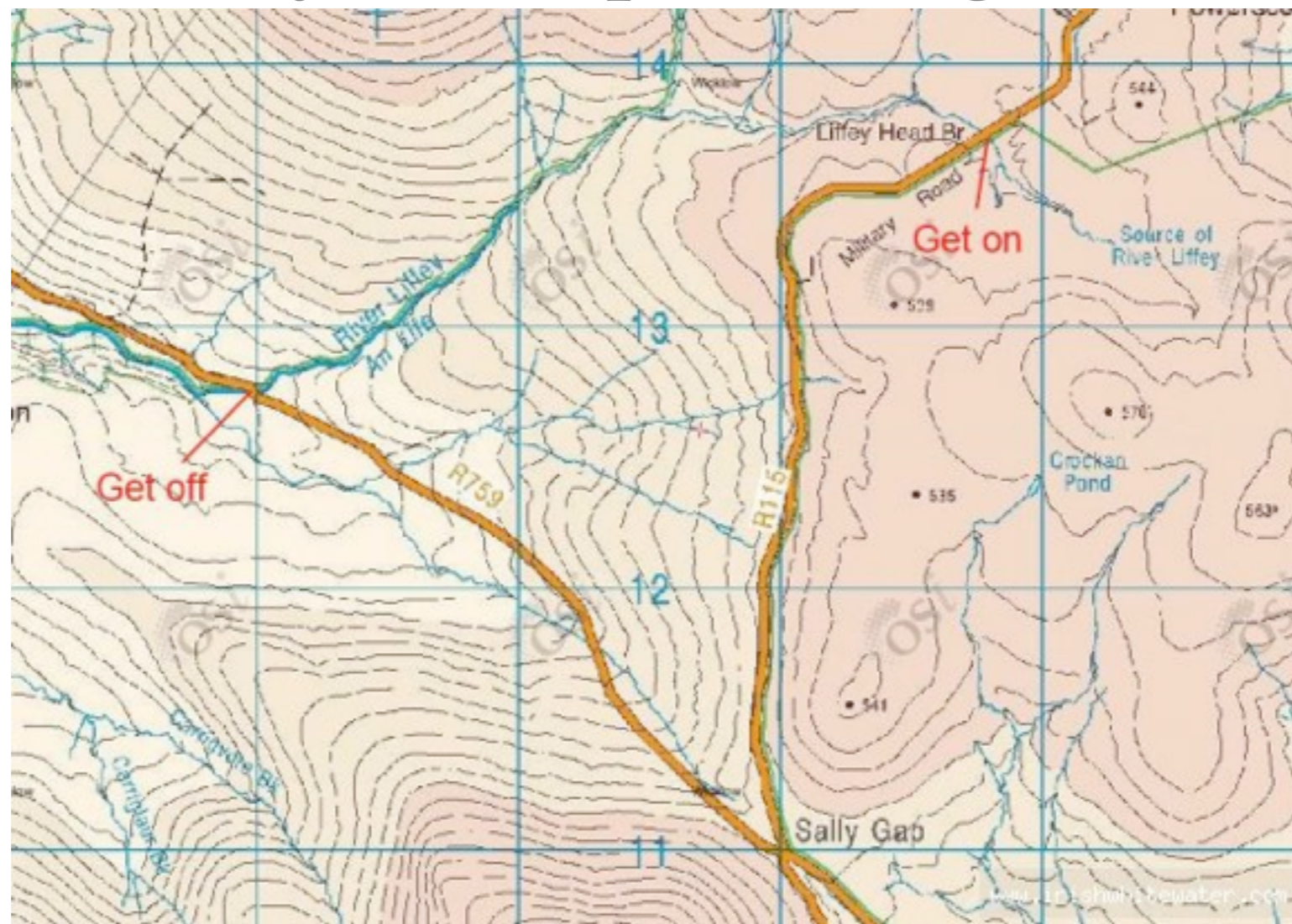
Drainage Basins and the River Course

Hydrological Cycle

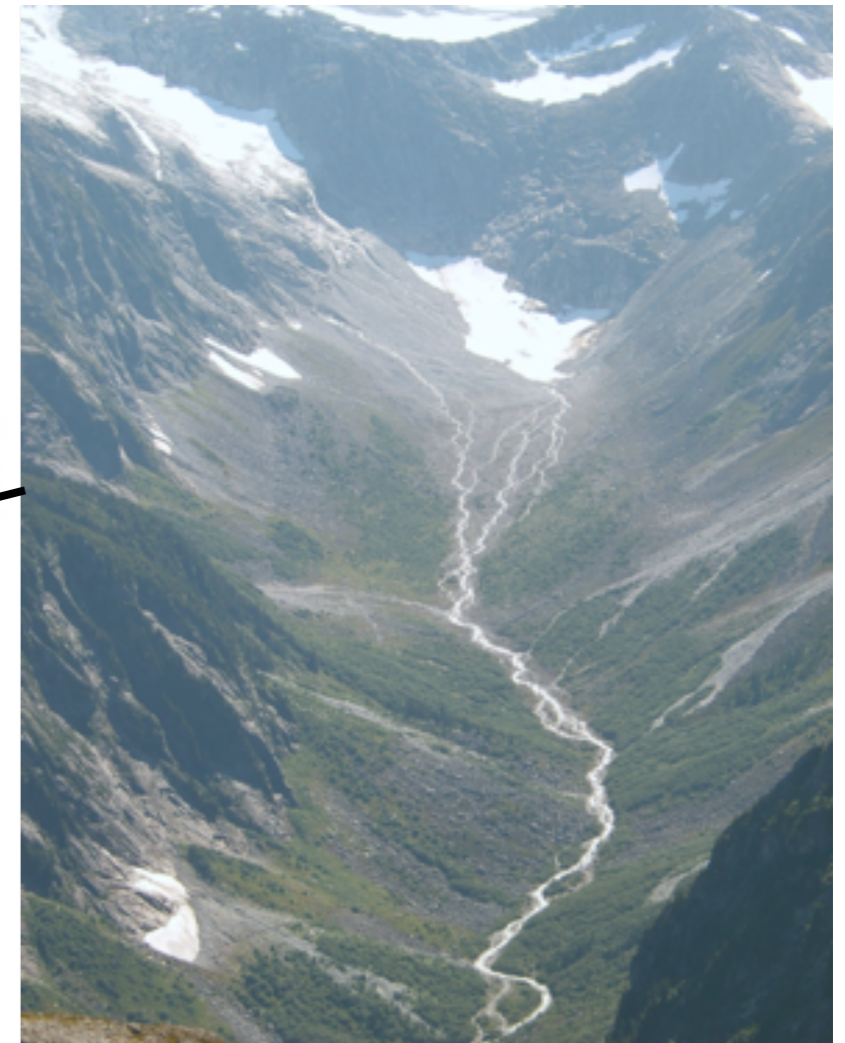
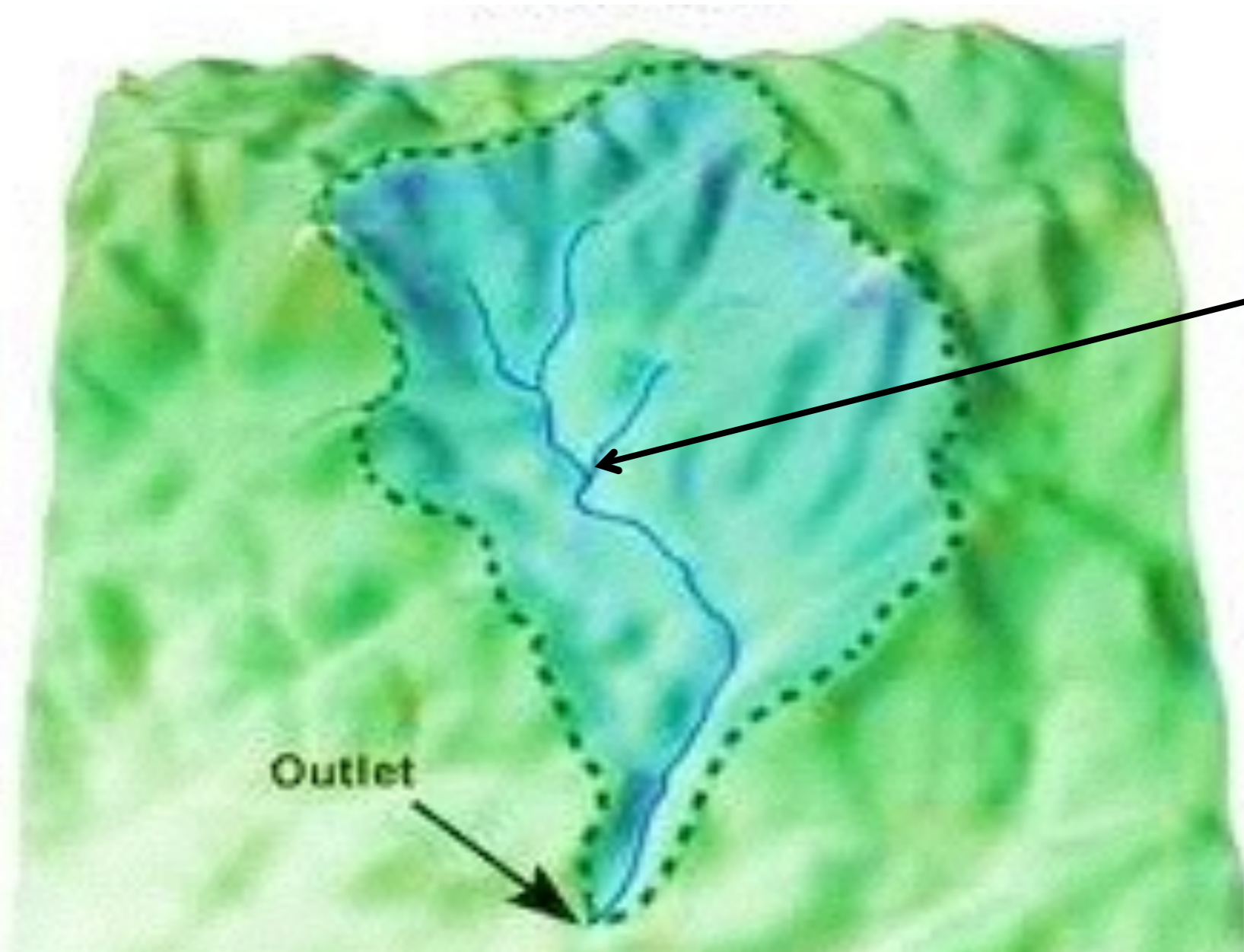


How do we know?

- If it rains in a mountainous area how do we know which river that rainfall will eventually end up flowing into?



Watershed



Drainage Basins

- A drainage basin or river basin is an area of land which is drained by a river and its tributaries
- Its boundary is marked by a ridge of higher land called watershed
- A watershed separates one drainage basin from neighbouring drainage basins
- Copy the diagram of a drainage basin on page 278 and write a brief description of what it shows

What do you think this is?

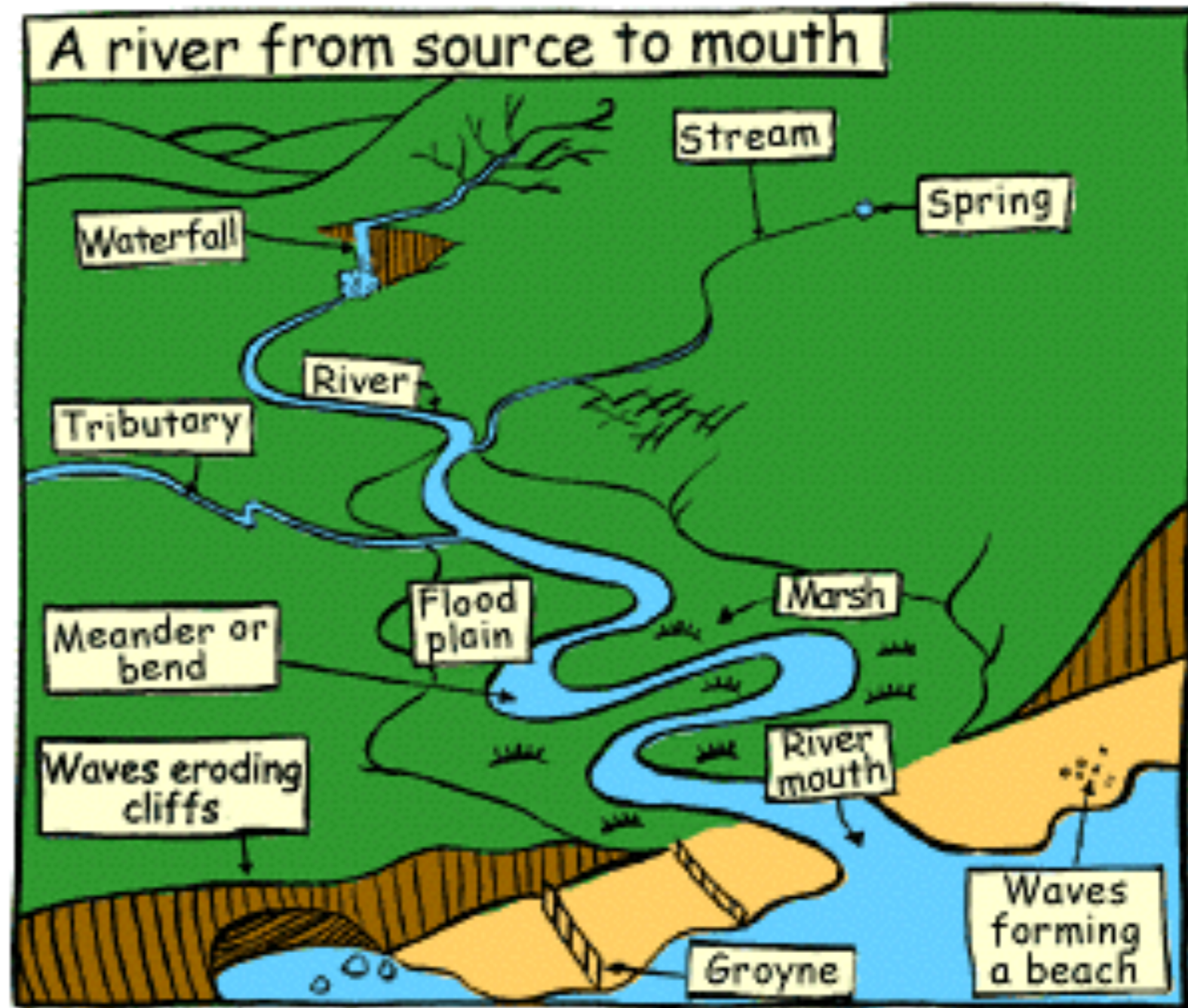


Where does it all start?

- We all know that water in rivers is flowing from one location to another
- But where do they start and where do they finish?

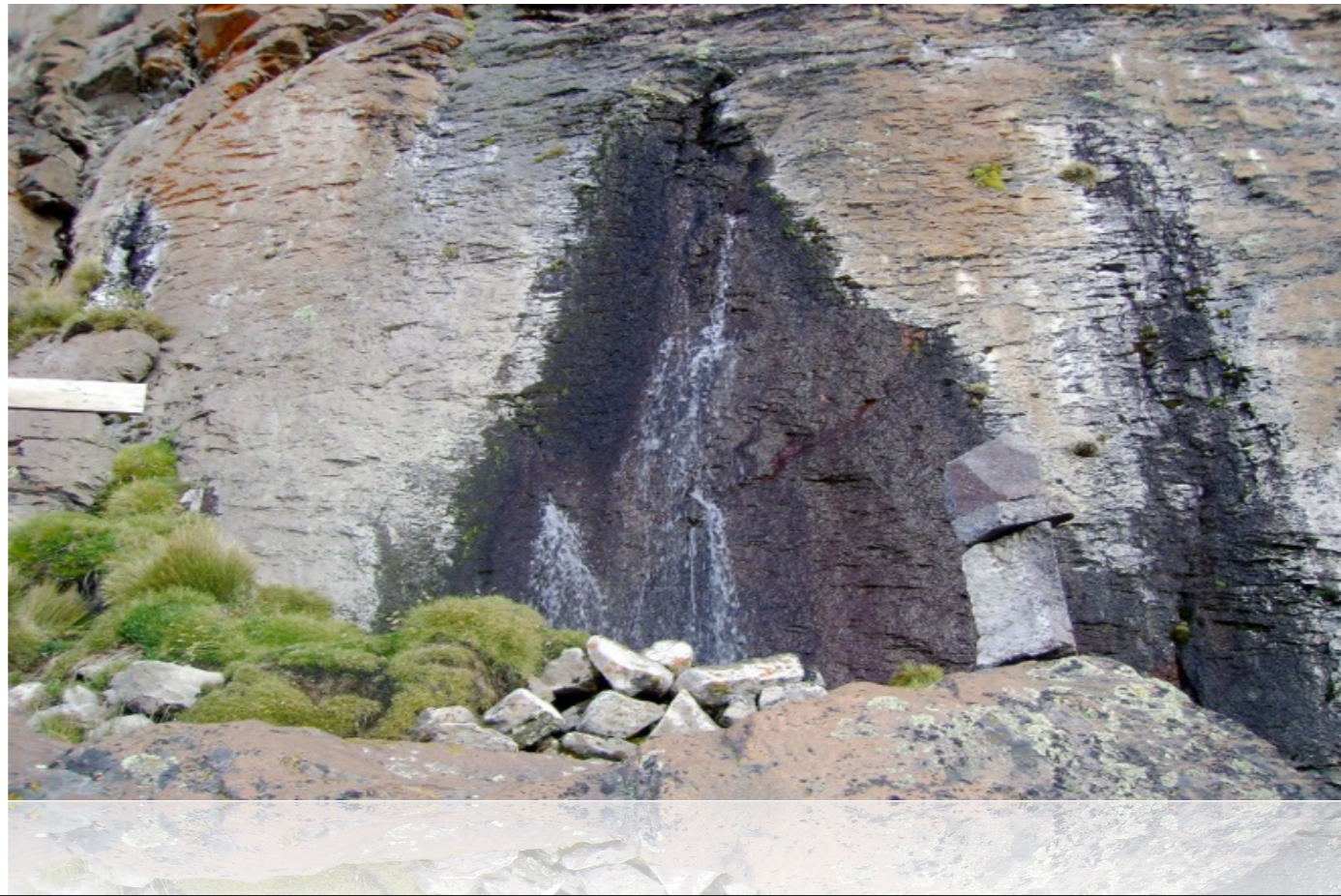
Rivers

- All rivers start at the **source**, this is where the river first begins to flow
- It is the point furthest from the river mouth
- The river **mouth** is the point where the river flows into another body of water (lake, sea, ocean, etc)



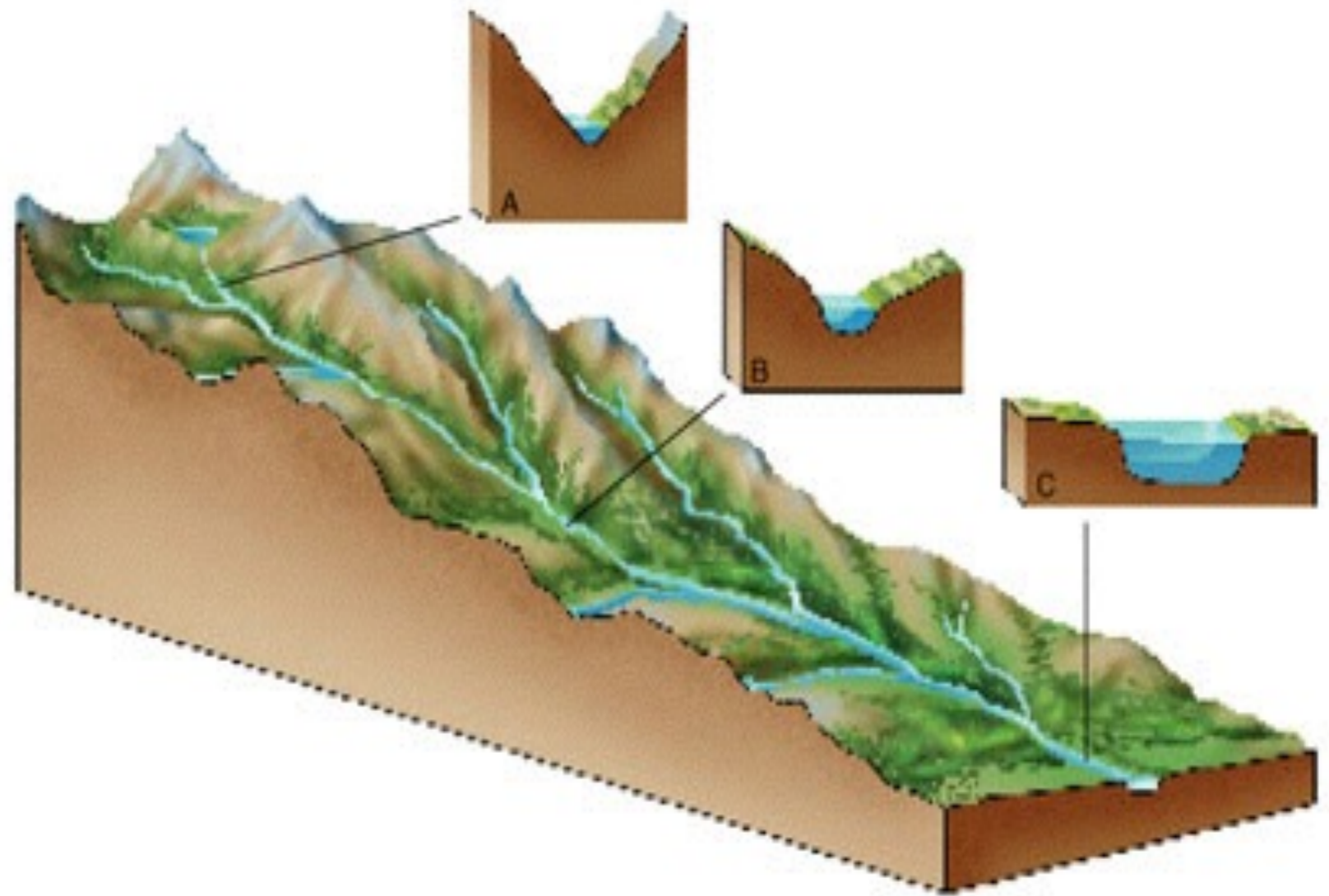
Looking at the source

- In what kind of environment do you think we will find the source of a river?
- In what kind of environment do you think we will find the mouth of a river?



Differences

- Rivers look completely different when they are near their source to when they are near their mouth
- What could explain these differences?

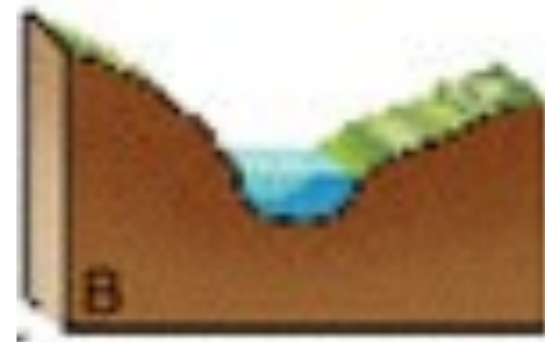


Long Profile

- A long profile is a line representing the course of a river and the changes in height along its course
- Draw a long profile to show the changing height of this river
 - Then label it to show the locations of the following cross-sections
 - Next to each cross-section describe the characteristics of the river at that point (width, depth, valley shape)



400 m above sea level



200 m above sea level



50 m above sea level

What do you think causes these differences along the course of a river

- With a partner discuss the question above, then write an answer
- Include as much detail as possible