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Social Science

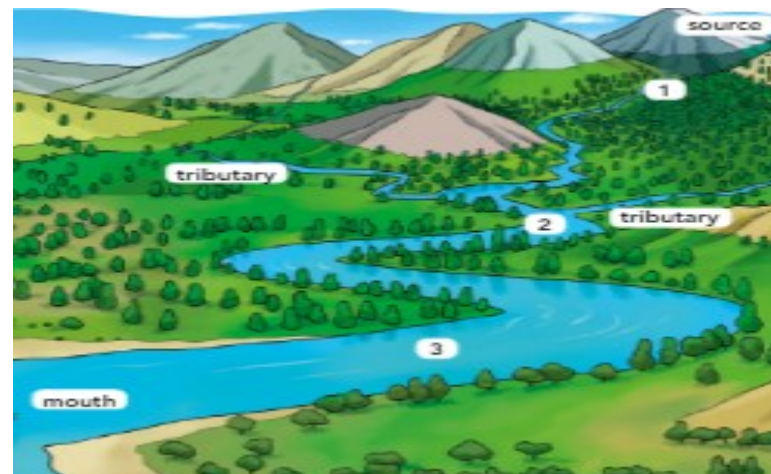
UDI 3. DÍA DE SAFARI

UNIT 3 (SEGUNDA PARTE)
Hydrosphere

1. PARTS OF A RIVER

1.1 WHAT ARE THE PARTS OF A RIVER?

- **SOURCE:** where the river starts in the mountain
- **COURSE:** is the route from beginning to the end. Along the course, other tributaries join the river.
 - UPPER COURSE:** is at the **beginning**, water moves quickly and carries sand and small stone.
 - MIDDLE COURSE:** is in the **centre**, the river forms **meanders**.
 - LOWER COURSE:** is at the **end**. Water moves slowly and deposits sand and stones into the sea, a lake or another river.
- **MOUTH:** where a river flows into a sea, a lake or another river



2. CHARACTERISTICS OF RIVER

2.1 What are the characteristics of a river'

The characteristic of a river depends on the RELIEF and CLIMATE.

Rivers have 3 principal characteristics:

- **LENGTH:** distance between the source and the mouth.
- **DISCHARGE:** the amount of water in a river
- **REGIME:** the variation of the discharge during the year

A) STABLE: the discharge is **constant** during the years

B) VARIABLE: the discharge **changes** during the years



3. RIVERS OF ANDALUCIA

ATLANTIC OCEAN

- Barbate
- Guadalete
- **Guadalquivir (the longest)**
- Odiel
- Guadiana

MEDITERRANEAN SEA

- Almanzora
- Andarax
- Guadalfeo
- Guadalhorce
- Guadiaro

Rivers in Andalusia tend to be SHORT, low DISCHARGE and irregular REGIME

What are reservoirs?

People build **dams** around rivers to create **reservoirs**. We can store water there and use it to irrigate crops. The water in reservoirs is also used to create hydroelectricity.

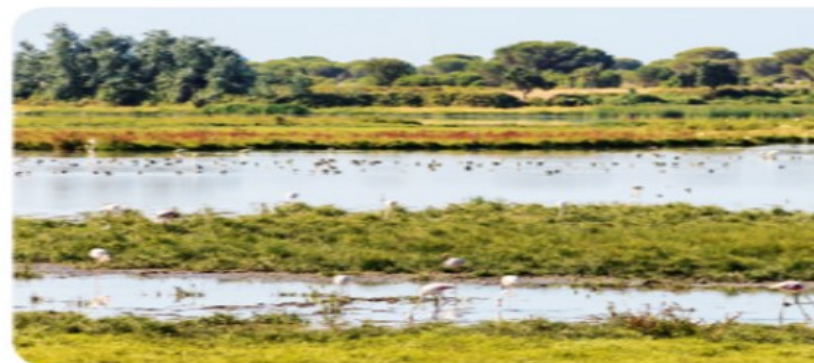


What are marshlands?

There are many areas of **marshlands** in Andalucía. Marshlands are low and have mixed ecosystems; they are the transitions between aquatic ecosystems and land ecosystems.



Barbate, Cádiz



El Rocío, Huelva

4. USING WATER

How does pollution threaten the hydrosphere?

Polluted* water contains harmful substances. Most water pollution is caused by human activity in industry and agriculture and from sewage*. Wastewater must be treated to remove harmful substances before it is returned to rivers and seas.

