



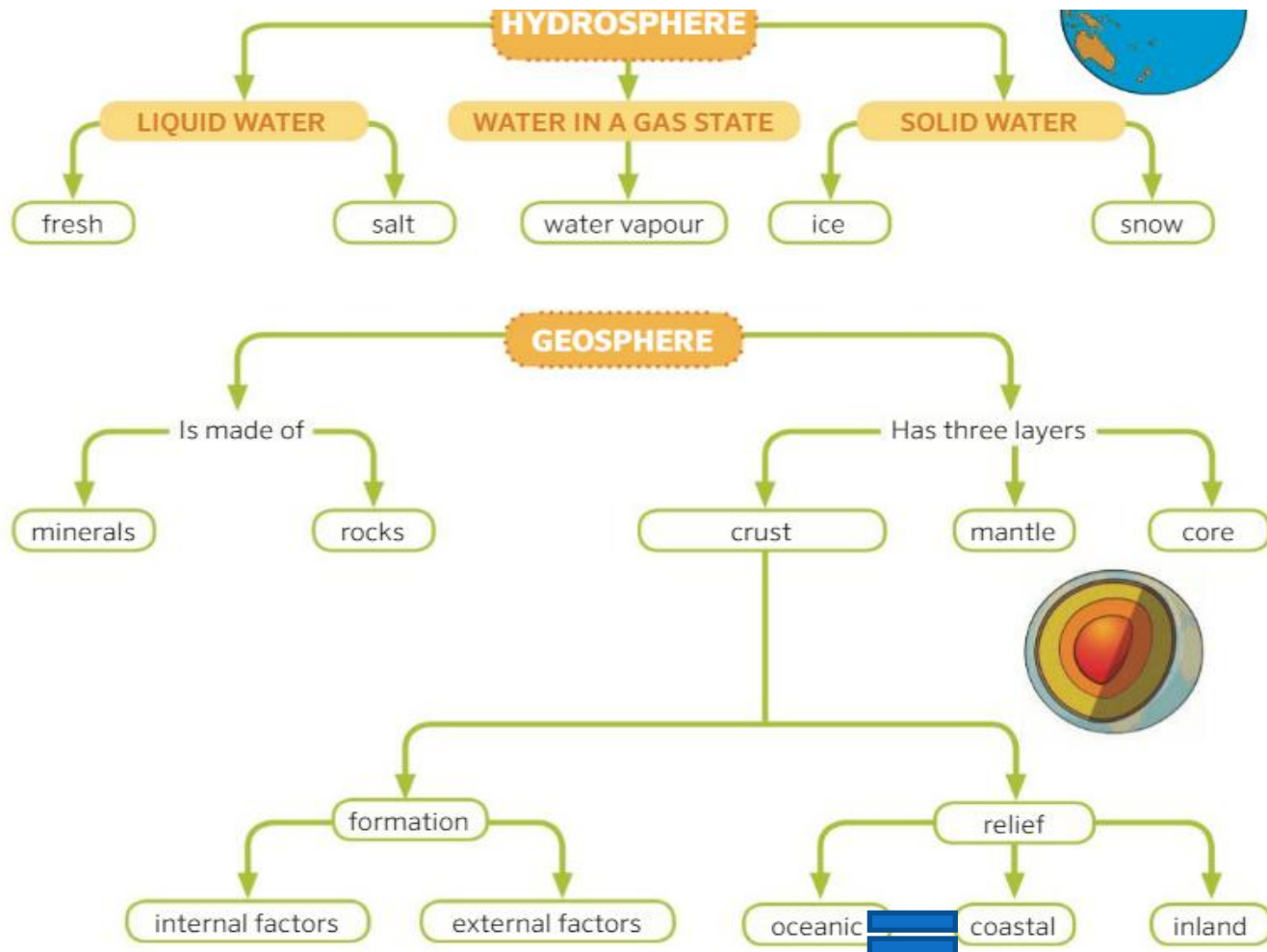
Divina Infantita
(Almería)

SOCIAL SCIENCE

UDI 2. Conozco mi mundo: Caminante no hay camino.

UNIT 4. Water and rocks

MIND MAPS



1. The hydrosphere

Hydrosphere is a layer of water covering approximately three quarters of Earth's surface



a) States of water

Water can appear in three states: **liquid**, **solid** and **gas**

Liquid state

Water in a liquid state can be **salt** or **fresh water**. Salt water is found in **oceans** and **seas**. Fresh water is found in **rivers**, **lakes** and **aquifers**.



Gas state

Water vapour is the gas state of water.

The amount of water vapour in the air is called **humidity**.

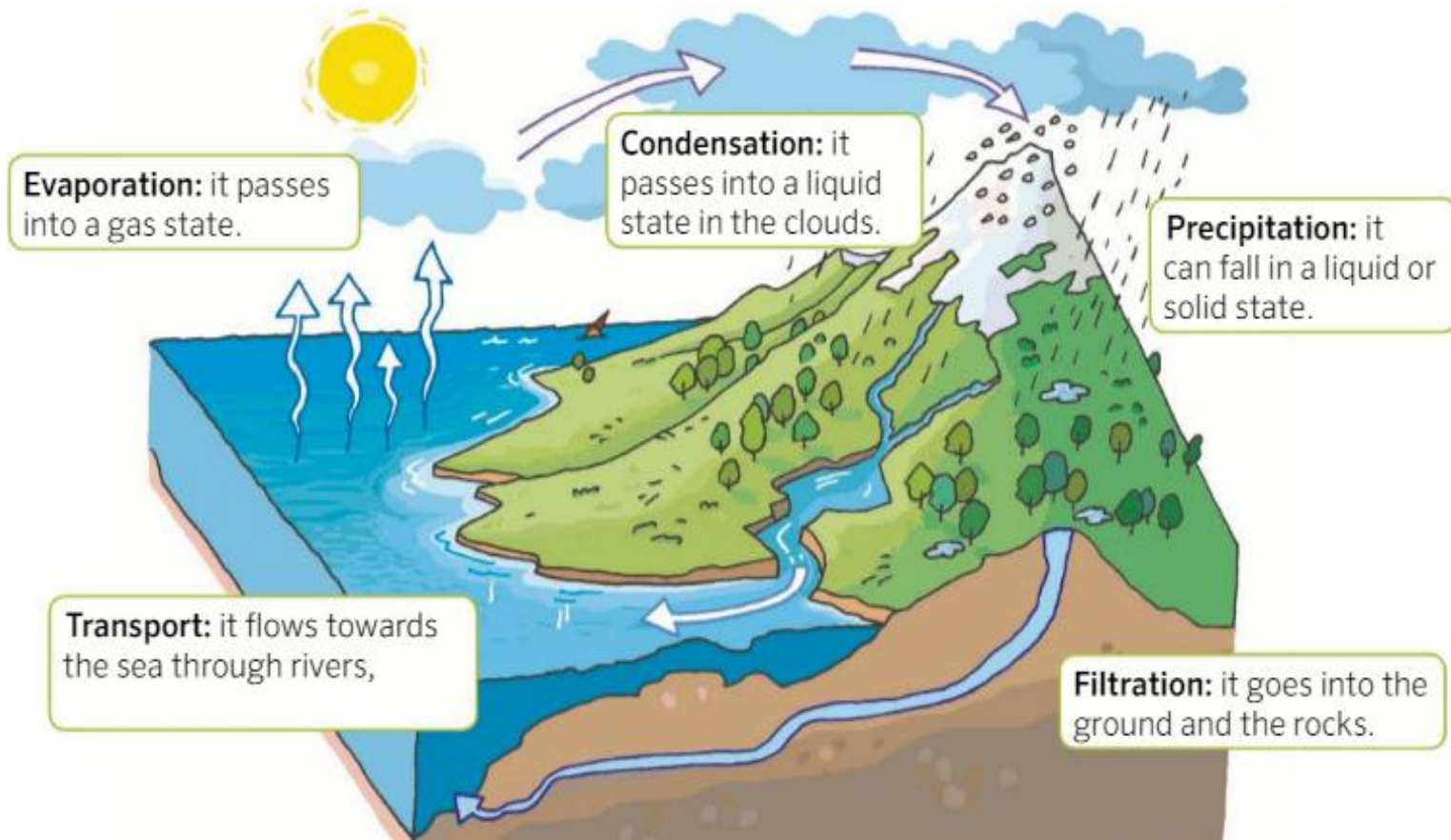


Solid state

Snow and **ice** show water in a solid state.



b) Water cycle



2. Oceans and seas

Oceans are a huge extensions of **salt water**. There are five oceans on Earth

The **Atlantic Ocean**
it touches our coasts.

The **Arctic Ocean**
is the
smallest ocean.



The **Pacific Ocean**
is the biggest and
deepest.

The **Antarctic Ocean**

The **Indian Ocean**



Seas are extension of **salt water** but they are not as big or as deep as ocean

the **Cantabrian Sea**

Enclosed seas are completely surrounded by land. For example, the **Caspian Sea**



the **Mediterranean Sea** opens into the Atlantic Ocean through the Strait of Gibraltar.



3. Inland waters

Inland waters are bodies of **fresh water** that are found on the continents.

currents or **streams**. They erode the rock and hollow out valleys.



Rain filters through rocks to form **aquifers**.



lakes.

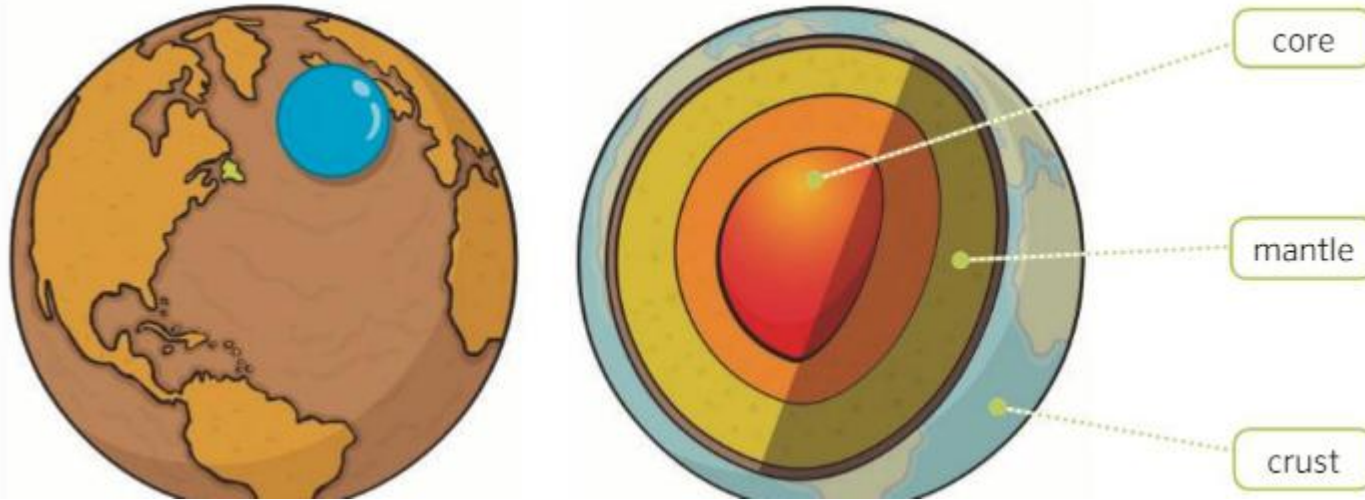


glaciers.



4. The geosphere

Geosphere is the big mass of **minerals and rock** that makes up Earth. Has three layers:



a) Minerals

Is a solid substance with different properties: **hardness**, **lustre**, **habit** and **color**

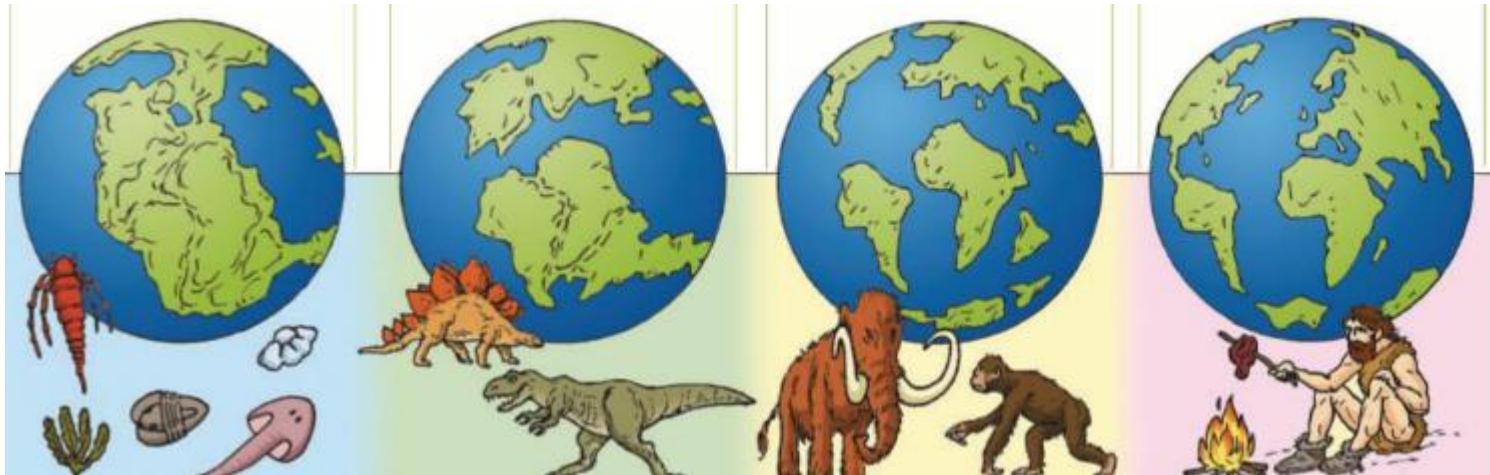
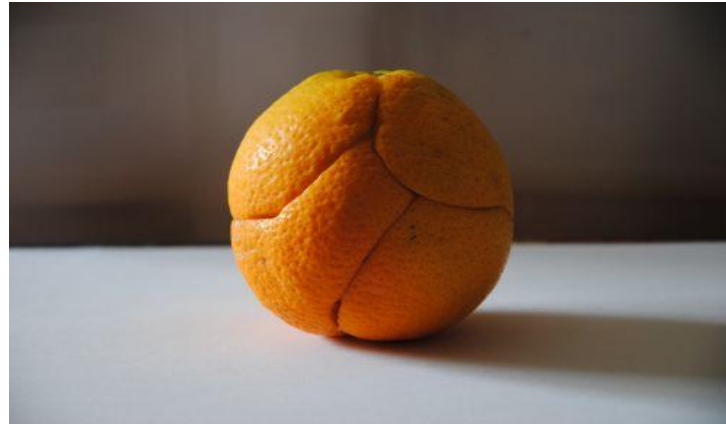
b) Rocks

Is a group of minerals. It can be **igneous**, **metamorphic** and **sedimentary**.



5. The formation of relief

Earth's crust is divided up like a puzzle with huge pieces: **tectonic plates**

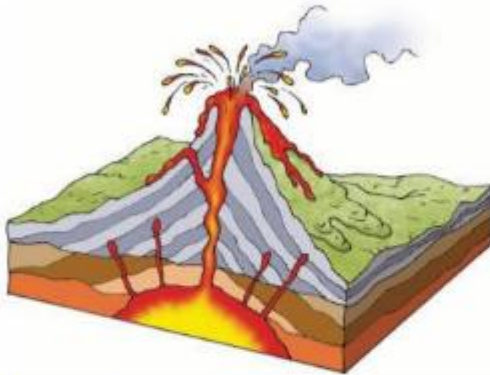


There are two kinds of **factors** in the **formation or relief**:

Internal factors

• Volcanoes

bring up material from the interior to the surface.



• Earthquakes

They are caused by the movements of tectonic plates in Earth's crust.



External factors

• Wind

It carries particles of sand that blow against rock and erode it.



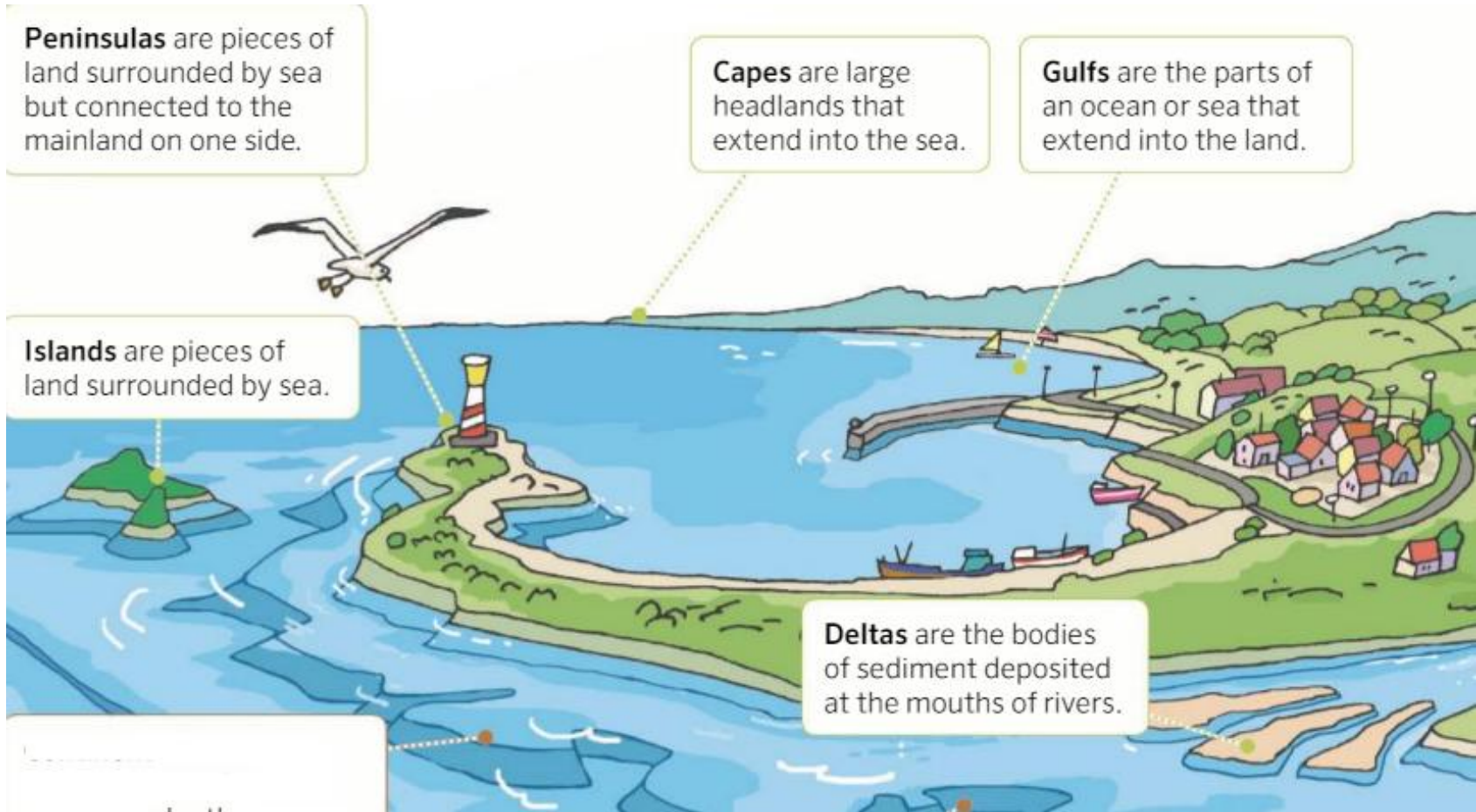
• Water

It hollows out valleys



6. Types of relief

a) Coastal relief



a) Inland relief

