



Divina Infantita
(Almería)

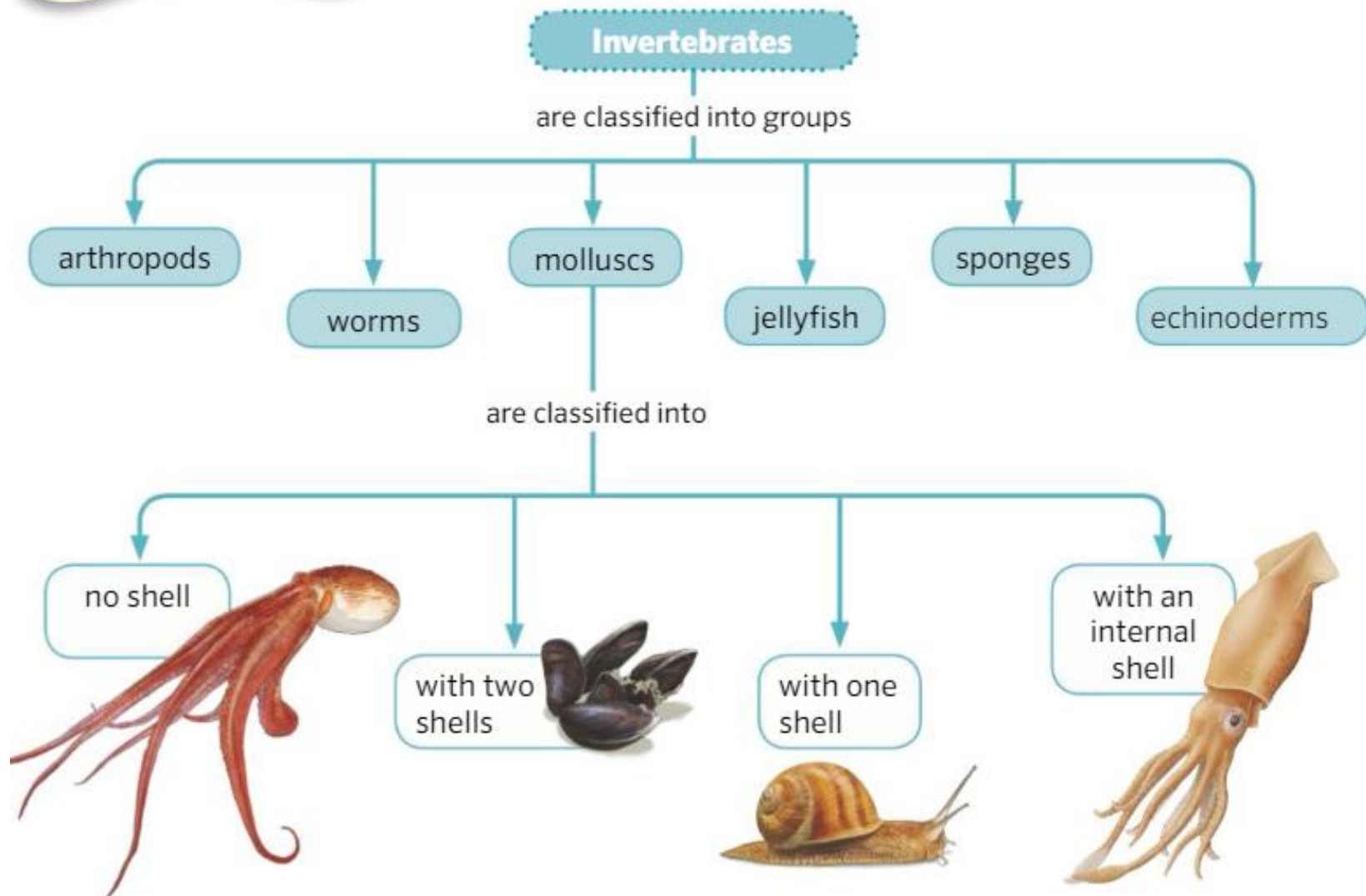
NATURAL SCIENCE

UDI 3. Día de safari.

UNIT 1 y 2.

Invertebrates and vertebrates

Mind maps



a) Characteristic of animals

- They eat other living things
- Can move from one place to another

b) Classifying animals

We can classify animals in different ways:

- **The type of food they eat**
 - Carnivores, Herbivores, Omnivores
- **The way they reproduce**
 - Viviparous and Oviparous
- **If they have or not internal skeleton**
 - Invertebrates and vertebrates



ladybird



crab



spider



dragonfly



1. Invertebrates

Invertebrates animals **do not have an internal skeleton** and they are **oviparous**.

We can classify invertebrates as:

Clasificación de invertebrados

Gusanos



Moluscos



Artrópodos



Worms, Molluscs, Arthropods

Equinodermos



Medusas



Esponjas



Echinoderms, Jellyfish, Sponge

Rosa F.



A. Arthropods

-The biggest and most important group of invertebrates

-Have **many legs** and **external skeleton**



Profe Juan Carlos 2017-2018



Have two **antennae** and may have **wings**

Don't have **antennae** or **wings**

Have two **antennae** and don't have **wings**



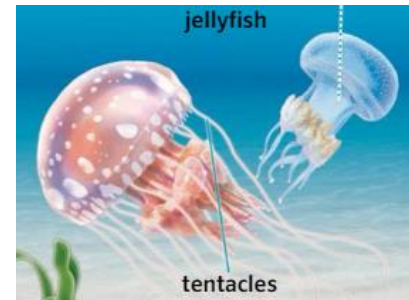
B. More invertebrates

These invertebrates can be classified into the following groups:

1. **Sponges:** Live at the bottom of the sea and they can not move around



2. **Jellyfish:** can be dangerous because have poisonous tentacles



3. **Echinoderms:** starfish belong to this group.



4. **Worms:** some worms live in the ground and other, in the water



6. **Molluscs:** there are three types of molluscs.

- **With two shells:** mussels
- **With one shells:** snails
- **With an internal shell:** squid



2. Vertebrates

Animals with an internal skeleton.

Classification of animals

Carnivores

Animals that eat other animals are called **carnivores**.



Herbivores

Animals that only eat plants are called **herbivores**.



Omnivores

Animals that eat both animals and plants are called **omnivores**.



A. Fish

Are **oviparous** and most of them are **carnivores** like sharks. However, some fish are **herbivores** like salmon and others, **omnivores** such as the goldfish



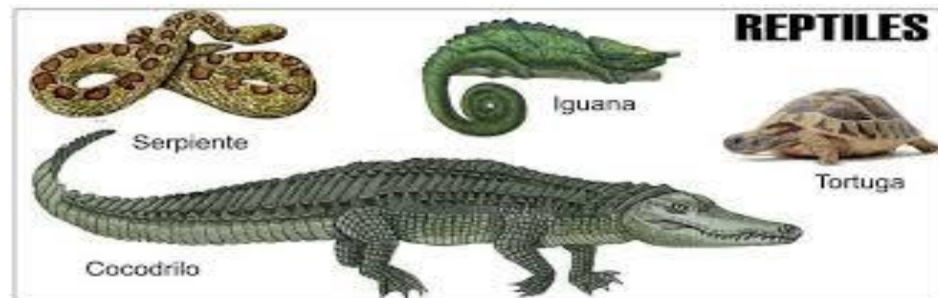
B. Amphibians

- They are **carnivores** so eat insects and spider.
- All amphibians are **oviparous**.
- Young amphibians go through a number of changes to become an adult. This transformation is called **metamorphosis**.
- Salamander, toad and frog.



C. Reptiles

- They are **carnivores** but a few are herbivores, like iguana.
- All amphibians are **oviparous**.
- They breathe through **lungs**
- Snake, turtle, cocodrilo or chamaleon



D. Birds

- Some are **carnivores** like eagle and other are **herbivores** such as the canary.
- All birds are **oviparous**. They built a nest and look after the eggs.
- **Ostrich, vulture, eagle and hummingbird**



E. Mammals

- Can be carnivores like lions, herbivores like cows or omnivores like human being.
- Mammals are **viviparous**, they grow inside their mothers before they are born
- All mammals breathe through their **lungs**.
- Whale, bat, kangaroo, dolphin or lions

