UNIT 4   ANIMAL KINGDOM (I):
NON-ARTHROPODS INVERTEBRATES.

ACTIVITIES

1.- Tick the sentences T (true) or F (false). Then correct the false sentences.

	T	F

1. Animals are multicellular organisms with eukaryotic cells.

....

2. Autotrophic animals obtain food from organic matter.

....

3. Vertebrates are animals with an exoskeleton.

....

4. Some invertebrates have got an external skeleton inside their bodies.

....

5. The backbone consists of vertebrae that protect the spinal cord.

....

2.- Tick the characteristics that differentiate Animal kingdom from the other kingdoms.

1. They are unicellular organisms.
2. They have got eukaryotic cells.
3. They are multicellular organisms.
4. They can move spontaneously and independently.
5. They obtain food from organic matter
6. They can synthesise their own food.
7. They always reproduce asexually by bipartition.

3.- Choose the correct answer.
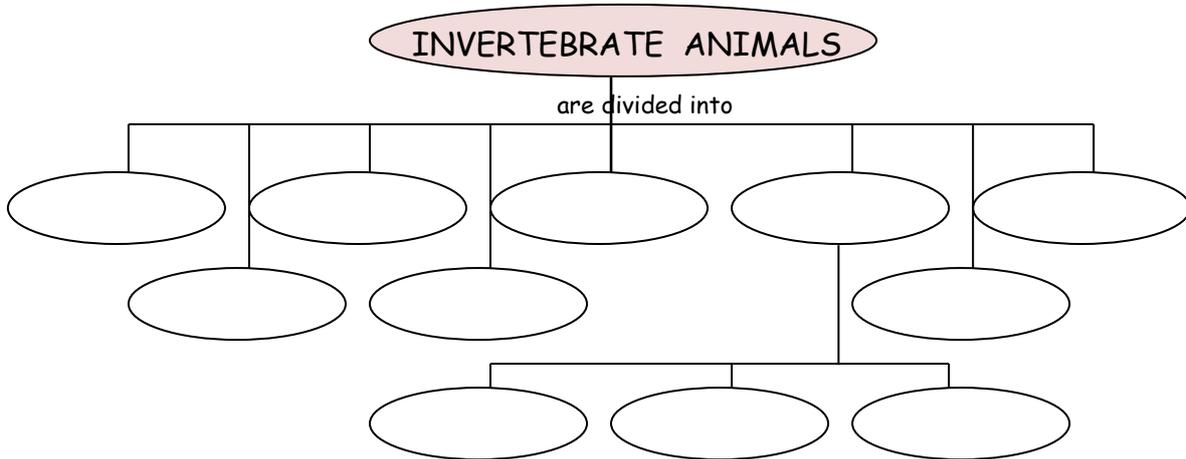
a) *Echinoderm / Porifera* have got a water vascular system.
b) Cnidarians and echinoderms have got *bilateral / radial* symmetry.
c) Bivalves are a group of *cnidarians / molluscs*.
d) Porifera live in *water / land*.
e) *Sponges / Annelids* have got well developed organs.

4.- ⊙ Put the words in order to make questions. Listen and check. Ask and answer the questions with a partner.

a) are / type of animals / and corals / jellyfish / What / ?
b) cnidarian's body / the functions of / the opening in a / are / What / ?
c) are / What / polyps and medusae / between / the main differences / ?
d) cnidarians / do / and expel / carbon dioxide / How / take in oxygen / ?
e) do / reproduce / How / and polyps / medusae / ?

5.– Complete the classification with the words in the box.

> Gastropods   Annelids   Bivalves   Cnidarians   Platyhelminthes   Molluscs
>
> Nematodes   Cephalopods   Arthropods   Porifera   Echinoderms

INVERTEBRATE ANIMALS

are divided into

6.– Choose the correct answer.

1. Animals without backbone are ...
   a. vertebrates   **b.** vertebrates and invertebrates   **c.** invertebrates

2. When classifying animals, the simplest division is...
   a. Animal and Plant kingdoms   **b.** vertebrates and invertebrates
   c. mammals and autotrophs

3. Echinoderms have got...
   a. a soft body   **b.** bilateral symmetry   **c.** a spiny covering

4. Sponges...   **a.** have got no mouths, stomachs or other organs
                      b. have got radial symmetry   **c.** have a complex organ system

5. There are ... main invertebrate groups.   **a.** three   **b.** eight   **c.** six

6. An example of a cnidarian is ...   **a.** a sponge   **b.** a worm   **c.** a jellyfish

7.– Listen and say what group the animals you hear belong to.

a) echinoderms / molluscs   c) arthropods / molluscs

b) arthropods / annelids   d) annelids / echinoderms

8.– Classify in your notebook the animals from the list:

Earthworm, slug, mussel, anemone, squid, nematode, sponge, jellyfish, starfish, octopus, coral, sea urchin, tapeworm, clam, snail and leech.