

1. Why do you think sponges are said to be the simplest animals?
2. There are certain cnidaria which over their lifetime develop into both a polyp and a jellyfish. Find out the name of this process and how it happens.
3. Earthworms need to live in damp environments; if not, they would die of suffocation. Why?
4. What type of respiration do the various aquatic molluscs have? What about the terrestrial molluscs?
5. Terrestrial snails leave behind a trace of slime as they move around. What causes this?
6. Oysters can produce natural pearls which are used to make jewellery. Find out how oysters produce pearls.
7. How do spiders make a web? What do they use it for?
8. Scorpions and spiders are arachnids with a poisonous sting. Where is the poison located in each animal?
9. Which characteristics have made it possible for insects to form the biggest group and the best adapted to different habitats?

- 10.** Arthropods have evolved from annelids. What is this statement based on?
- 11.** Are there insects that are useful to humans? Are any harmful? Think of some examples of both types.
- 12.** The arthropods form the largest group of living things on Earth. They are also the most successfully evolved animals and they can be found in almost any environment. However, a common characteristic of arthropods is that they have never reached a great size. Why do you think arthropods have not evolved into larger animals?
- 13.** Starfish have a curious way of feeding on some bivalve animals, such as clams, oysters and mussels. Find out what it is and the mechanism that starfish use to feed.
- 14.** Look for information about the American crab. Think about these questions:
- a) What type of invertebrate is the American crab?
 - b) What type of habitat does the American crab inhabit on the Iberian Peninsula?
 - c) Why is this animal considered to be a very serious ecological problem?
- 15.** What type of animals, of those you have studied in this unit, make up the coral reefs? What conditions must be present in the sea for these formations to take place?
- 16.** In what type of habitat can we find molluscs?