

THEME: BODY PARTS

TOPIC: MUSCULAR SKELETAL SYSTEM

Skeleton system

What is skeletal system?

- This is the support system of the body.

What is a skeleton?

- A skeleton is the framework of an organism's body.
- This is a support structure of an organism's body.

Name the three types of skeletons

- Exoskeleton
- Hydrostatic skeleton
- Endoskeleton

What is an exoskeleton?

- This is a type of skeleton found outside the body of an organism.
- It is a hard outer covering on bodies of some invertebrates.
- It is mainly found in **arthropods** e.g. **insects, arachnids** and **crustaceans**.
- Organisms which have exoskeletons undergo **moulting/ecdysis**.

What is moulting/ecdysis?

- This is the process by which organisms shed their exoskeletons.
- This is the periodic shedding of exoskeletons by organisms.

Why do arthropods undergo moulting/ecdysis (shed exoskeletons)

- To increase in size/To grow.

How do arthropods benefit from moulting/ecdysis?

- It allows growth/It enables them to grow

Give two importance of exoskeletons to arthropods.

- Provide structural support
- Provide protection to their soft parts.

Give one disadvantage/danger of exoskeletons to arthropods.

- They limit growth.

