

Name: _____ Date: _____

Body Movements

Q1. How does earthworm move through the soil?

Ans. _____

Q2. What modifications in the body of the birds help them to fly?

Ans. _____

Q3. How does fish move in water?

Ans. _____



Body Movements

Q1. How does earthworm move through the soil?

Ans. Earthworm does not have bones. It has muscles which help to extend and shorten the body. During movement, the earthworm first extends the front part of the body, keeping the rear portion fixed to the ground. Then it fixes the front end and releases the rear end. It then shortens the body and pulls the rear end forward. This makes it move forward by a small distance. Repeating such muscle expansions and contractions, the earthworm can move through soil.

Q2. What modifications in the body of the birds help them to fly?

Ans. The following modifications in the body of the birds help them to fly:

- i. Their bones are hollow and light.
- ii. The bones of the hind limbs are typical for walking and perching.
- iii. Bony parts of the forelimbs are modified as wings.
- iv. The shoulder bones are strong.
- v. The breastbones are modified to hold muscles of flight which are used to move the wings up and down.

Q3. How does fish move in water?

Ans. The streamlined shape of the fish allows water to flow around it easily and help the fish to move in water. The skeleton of the fish is covered with strong muscles. During swimming, muscles make the front part of the body curve to one side and the tail part swings towards the opposite side. The fish forms a curve. Then, quickly, the body and tail curve to the other side. This makes a jerk and pushes the body forward. A series of such jerks make the fish swim ahead. This is helped by the fins of the tail.