

Nova's Skeleton and Muscle Flashcards

Learning objective: To identify and describe the functions of the human skeleton and the role of muscles in movement.

Read the front of the card to test your knowledge. Flip it over to check the definition provided by Nova the Owl.

What is the primary function of the skeleton?

The skeleton provides support, protection for our organs, and helps us move.

Which part of the skeleton protects the brain?

The skull.

What do we call the place where two bones meet?

A joint.

Which part of the skeleton protects the heart and lungs?

The ribcage.

How do muscles help us move?

Muscles work in pairs to pull on bones; they contract (shorten) and relax (lengthen) to create movement.

What is the name of the longest and strongest bone in the human body?

The femur (thigh bone).

What is the difference between a vertebrate and an invertebrate?

Vertebrates have a backbone (internal skeleton), while invertebrates do not.

What attaches muscles to bones?

Tendons.

True or False: Muscles can push bones to make them move.

False. Muscles can only pull; they work in pairs to move bones in different directions.

Why do we need a skeleton?

Without a skeleton, we would be like a jelly-fish; it gives our body its shape and allows us to stand upright.