

Nova's Amazing Anatomy Fact-File

Learning objective: To identify and describe the functions of the human skeleton and muscles for support, protection, and movement.

Help Nova the owl learn about the human body! Use your science knowledge to complete this fact-file. Write clearly and use the word bank to help you describe how our bodies work.

Word bank: skeleton · muscles · support · protection · movement · joints · skull · ribcage

1. The Skeleton: Describe the role of the human skeleton. Why do we need it and what does it do for our bodies? (3 marks)

2. Body Parts: Name two specific bones in the skeleton and explain what they protect. (2 marks)

3. Muscles and Movement: How do our muscles help us move? What happens to them when we bend our arms? (3 marks)

4. Joints: What is a joint? Give an example of a joint in the human body and explain its purpose. (2 marks)

5. Staying Healthy: Nova wants to know how we can keep our bones and muscles strong. What should we eat or do? (2 marks)

Extension challenge: Imagine if humans did not have a skeleton. Write a short paragraph in your notebook explaining how our bodies would change and what we would find difficult to do.