

The Skeletal and Muscular Systems (KS3)

Section A – Recall (1–2 marks each)

Q1. (1 mark)

Name the tissue that connects muscles to bones.

Q2. (1 mark)

Which part of the skeleton protects the brain?

Q3. (1 mark)

What is the name of the place where two bones meet?

Q4. (2 marks)

State TWO functions of the human skeleton.

Q5. (2 marks)

Describe what antagonistic muscles are.

Q6. (2 marks)

State TWO differences between tendons and ligaments.

Section B – Understanding (2–3 marks each)

Q7. (3 marks)

Explain how muscles help the body to move.

Q8. (3 marks)

Explain why bones are described as living tissue.

Q9. (3 marks)

Explain how the rib cage protects organs in the body.

Section C – Application (4 marks each)

Q10. (4 marks)

Explain how the biceps and triceps work together to bend the arm.

Q11. (4 marks)

A student at *Learntit* measures the force produced by their arm muscles using a piece of equipment.

Explain:

- how they measured the force
- why results may change after repeated attempts

Section D – Extended Response (6 marks)

Q12. (6 marks)

Explain how the skeletal and muscular systems work together to produce movement.

Your answer should include:

- muscles
- bones
- tendons
- joints
- antagonistic muscle pairs

Q13. (6 marks)

Explain the functions of different bones in the human skeletal system.

Your answer should include:

- the skull

- the rib cage
- the spine
- the femur
- the humerus
- protection and movement

Total: ____ / 38

Percentage: ____%