Bones and joints

P7 Integrated Science | Teacher answer key

Award one mark per correct answer. Total: 5 marks.

1. Which part of the skeleton surrounds the brain?
Skull. The brain lies inside the skull.

2. Which organs are protected by the rib cage?
Heart and lungs. The ribs form a protective cage around the heart and lungs in the chest.

3. Which pair gives a joint and its type correctly?
Elbow — hinge. Bending and straightening the elbow illustrates hinge movement.

4. Which joint lets a learner swing the upper arm forwards, backwards and sideways?
Shoulder. The ball-and-socket joint at the shoulder allows movement in several directions.

5. What makes the forearm move when a learner bends the elbow?
A muscle contracts and pulls on a bone. A contracting muscle pulls on bone through a tendon. The bones move at the joint.