Nova’s Skeleton and Muscle Science Quiz

Learning objective: To identify that humans and some other animals have skeletons and muscles for support, protection, and movement.

Join Nova the Barn Owl on a nocturnal adventure! Read each question carefully and circle the correct answer or write your answer on the line provided.

Answer Key: 1. B, 2. True, 3. False, 4. Skull, 5. C, 6. True, 7. Muscles, 8. A, 9. Ribs, 10. True. Remember: Skeletons provide support, protect organs, and help us move when muscles pull on the bones!

Word bank: Skeleton · Muscles · Skull · Joints · Protection · Support · Movement · Ribs

1. 1. What is the name for the framework of bones inside our bodies? A) Shell B) Skeleton* C) Skin D) Fur (1 mark)

2. 2. True or False: Our skeletons help us stand up straight and give our body shape. (1 mark)

3. 3. True or False: Muscles are hard, brittle parts of the body that do not move. (1 mark)

4. 4. Which part of the skeleton acts like a helmet to protect your brain? (1 mark)

5. 5. What do we call the places where two or more bones meet, like our knees or elbows? A) Muscles B) Bumps C) Joints* D) Strings (1 mark)

6. 6. True or False: Muscles work by pulling on bones to create movement. (1 mark)

7. 7. Fill in the blank: To move our arms and legs, our _____ must contract and relax. (1 mark)

8. 8. Which of these is a main job of the skeleton? A) Protection* B) Making noise C) Digging D) Breathing (1 mark)

9. 9. What set of bones protects important organs like your heart and lungs? (1 mark)

10. 10. True or False: Animals that have a skeleton inside their bodies are called vertebrates. (1 mark)

Draw: Draw a picture of Nova the Barn Owl flying. Label the wings and explain how you think her muscles help her fly.

Extension challenge: Research a different animal, such as a fish or a lizard. Does it have a skeleton? Is it similar to a human skeleton? Write three sentences explaining what you found out.