

Body Systems Unit (Bones and Skeletons Module)
Pre-Assessment
Key/Sample Answers

Question #1

Part A: The front teeth are sharp and pointed, which would help with biting and tearing food. The back teeth are square and flat, which would be good for grinding and crushing food. So, this animal could possibly eat animals by biting and crushing them or plants by pulling and chewing or grinding them.

Part B: I think it hunts and chases animals because its leg has many joints for walking or running. Or, it could just walk around and eat grass or plants that are at its height or lower.

Part C: I don't think the animal lives in trees because its front and back legs don't have small bones like fingers and toes. It wouldn't be able to grab a tree and pull itself up.

Part D: The rib cage has its shape so that it protects and goes around the heart and other important organs. The rib cage has many connected bones so that it can move when the animal breathes, bends, twists, or moves.

Question #2

Bones are moved by muscle. Muscles are connected to bones (by tendons). When the muscle contracts, it pulls and moves the bone. The way bones move depends on the type of joint. Bones are important because they give humans (and/or animals) their shape. Bones also protect the body. Muscles are important because they are needed to move bones.