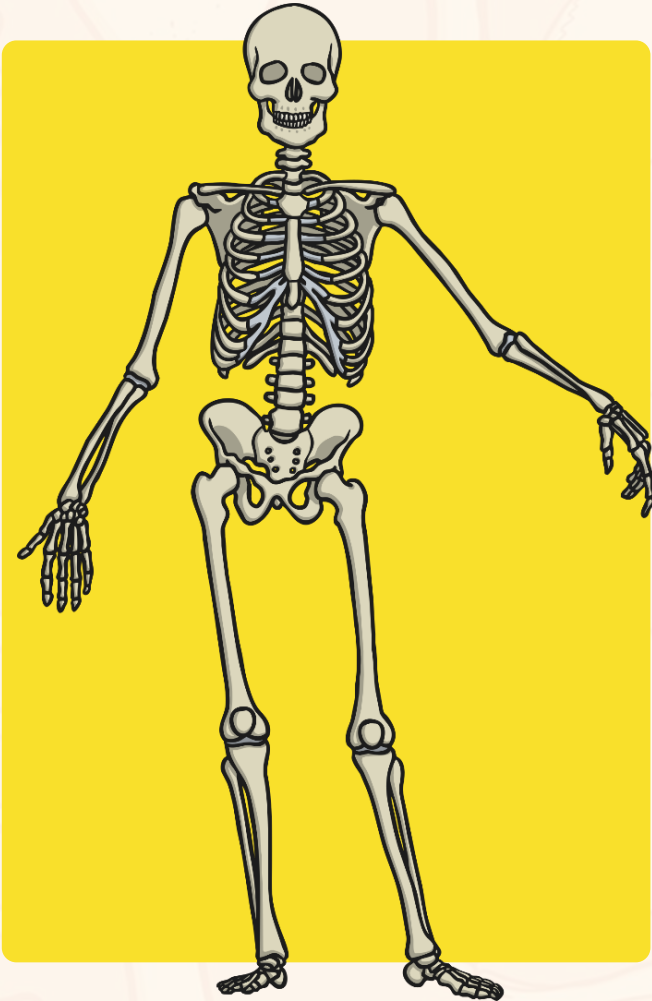


An anatomical illustration of a human skeleton on an orange background. The central focus is a skull. Surrounding it are various other bones: a full spine on the left, a ribcage on the right, and several long bones (femurs) and smaller bones (tibiae, fibulae, and hand bones) scattered around. The bones are drawn in a simple, cartoonish style with black outlines and light grey shading.

Functions of a Skeleton

Purpose of a Skeleton



Discuss the following questions:

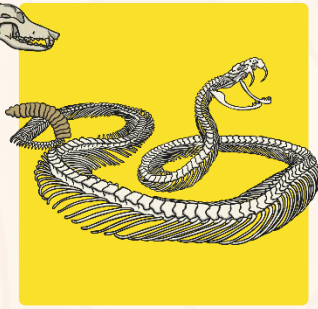
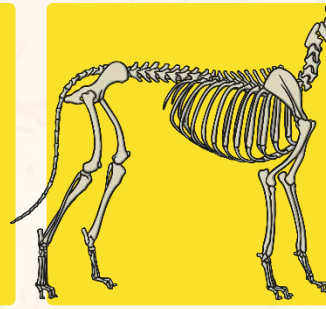
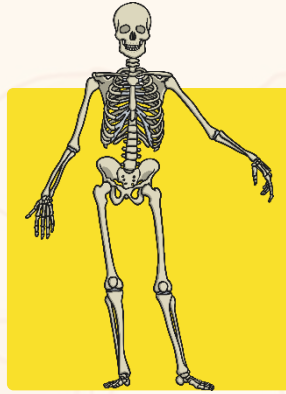
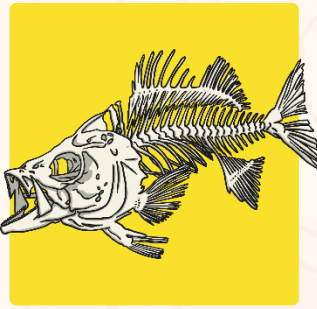
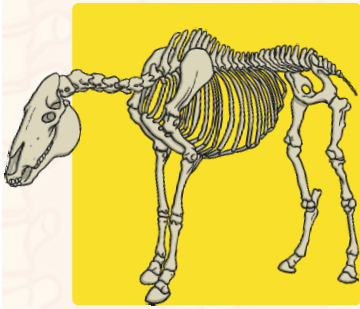
1

Why do we have skeletons?

2

What would happen if we did not have a skeleton?

Whose Skeleton?



human

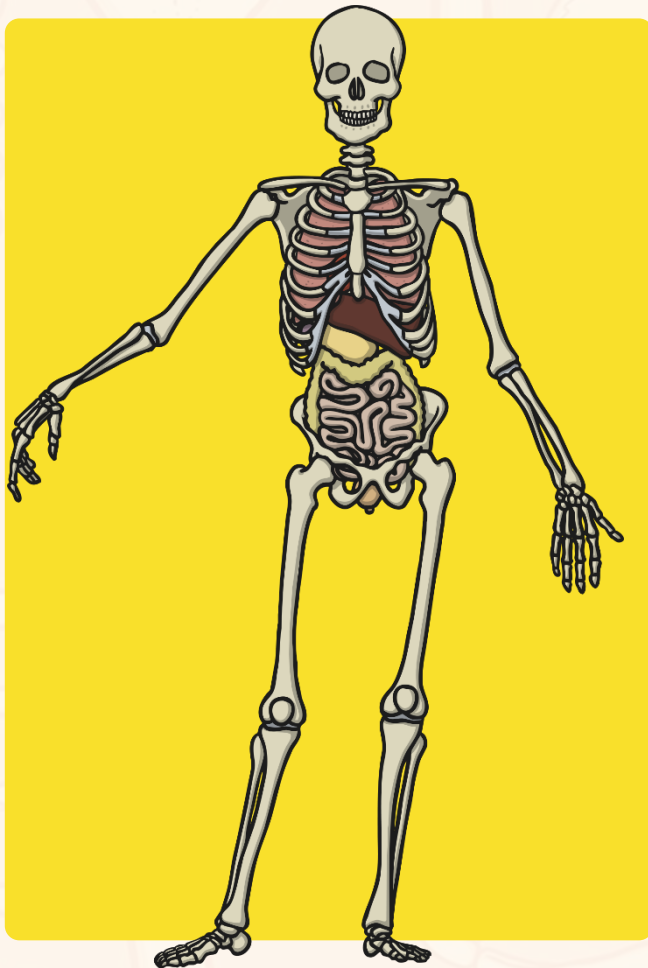
dog

horse

snake

fish

All Fall Down!



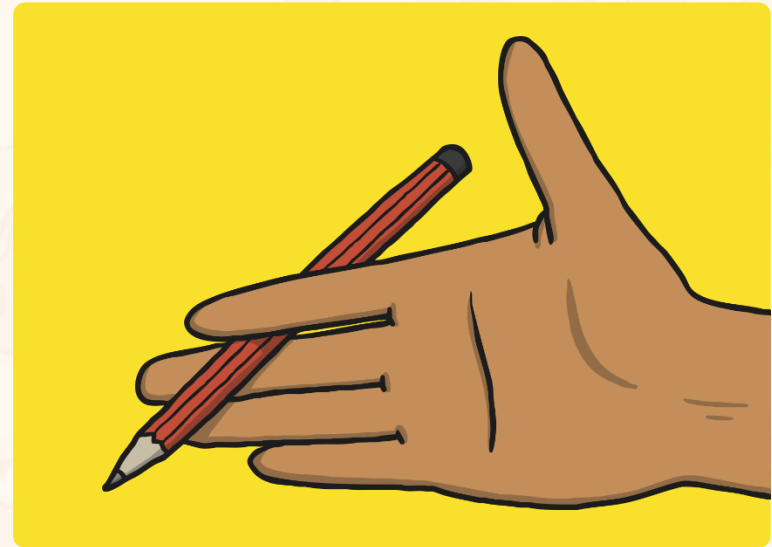
One of the functions of a skeleton is to support your body.

What would happen if you had no bones in your body?

Which part of the skeleton keeps your body upright?

On your activity sheet using a different coloured pencil, colour in the main bones that keep your body upright.

Movement

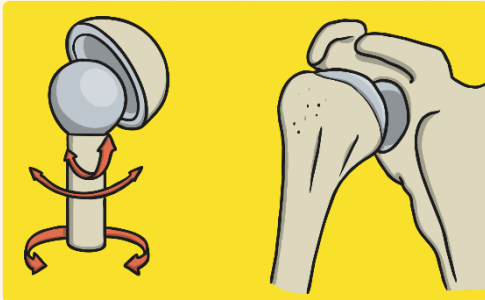


What happened when I tried to pick up a pencil the first time and the second time?

Joints

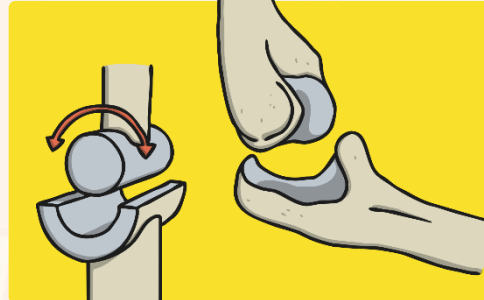
Without joints connecting our bones we would not be able to move the way we do. We would not be able to bend, jump, skip to name a few movements. There are 3 different types of joints in the body.

ball and socket



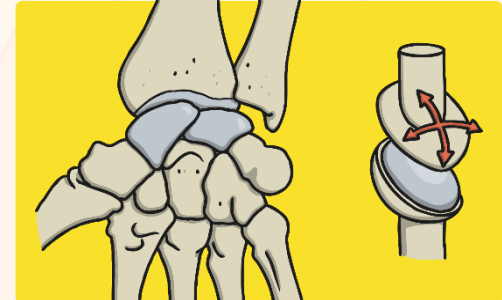
Ball and socket joints allow the most freedom of movement. One example in the human skeleton is the between the pelvis (hip) and femur (upper leg bone).

hinge



Hinge joints allow flex and extend movements. One example in the human skeleton is between the humerus (upper arm bone) and radius/ulna (lower arm bones).

gliding

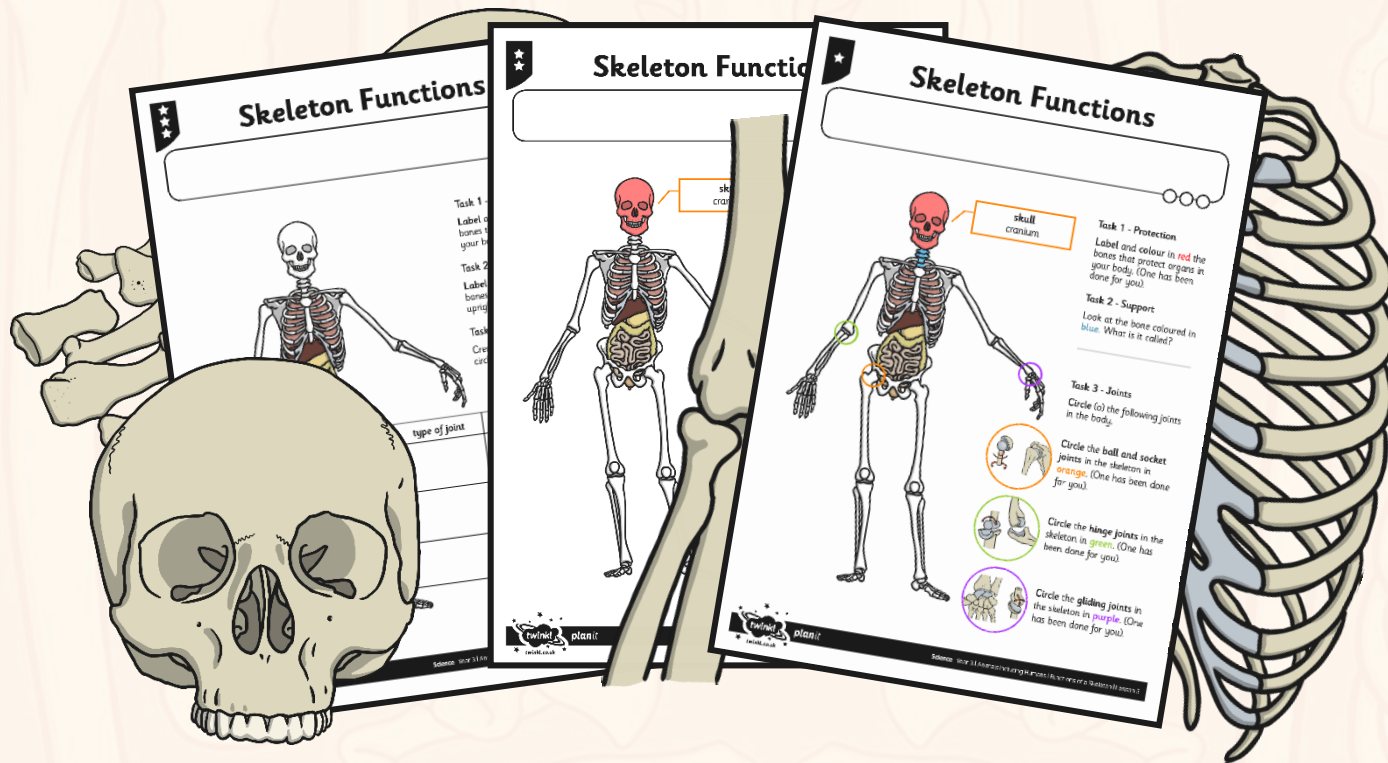


Gliding joints are also known as 'plane' joints. The bones are shaped to glide over one another and allow for small limited movements in different directions. One example in the human skeleton is the wrist bones.

Skeleton Functions






Complete the Skeleton Functions activity sheet



Skeleton Types and Functions



		functions of a skeleton			
		protection	support	shape	movement
types of skeleton	 endoskeleton				
	 exoskeleton				
	 hydrostatic skeleton				

