

The brain **Triple only**

What do the cerebral hemispheres do?

The brain **Triple only**

What does the cerebellum do?

The brain **Triple only**

What does the medulla oblongata do?

The brain **Triple only** **Higher tier**

How does a CT scan help investigate the brain?

The brain **Triple only** **Higher tier**

How does a PET scan help investigate the brain?

The brain **Triple only** **Higher tier**

Why are spinal injuries difficult to treat?

The brain **Triple only** **Higher tier**

Why are brain tumours difficult to treat?

Coordinates movement and helps to control balance.

They are involved in consciousness, intelligence, memory and language.

X-rays from many angles build images of the brain's structure, without surgery. It can show damage or tumours.

Controls unconscious activities, such as heart rate and breathing rate.

Neurones in the spinal cord do not easily repair, so impulses cannot pass the damaged region and paralysis can be permanent.

A radioactive tracer shows which areas of the brain are active, so it shows brain function, without surgery.

They may be hard to reach, and treatment can damage healthy brain tissue around them.