

Nervous System Anatomy Worksheet

A Complete each sentence with a word made from the word in brackets:

- 1 The brain is _____ in the cranium and the spinal cord is protected by the vertebrae. (CLOSE)
- 2 The meninges are three layers of _____ membranes surrounding the brain and spinal cord. (PROTECT)
- 3 The _____ layer of the meninges is the pia mater, tightly bound to the surface of the brain. (INNER)
- 4 If a person is _____, he or she is unconscious and unable to wake up. (COMA)
- 5 Multiple sclerosis is a degenerative _____ disease of the CNS attacking the myelin sheath. (INFLAMMATION)

B Choose the correct option.

- 1 Dentists _____ the tissue around the tooth before they drill. A die B dead C deaden D deafen
- 2 The nervous system is _____ into two major areas: CNS and PNS. A divorced B broken C separated D divided
- 3 An injury to the brainstem can result _____ death. A at B for C in D into
- 4 The brain ___ of the cerebrum, diencephalon, brainstem and cerebellum. A comprises B contains C consists D compasses
- 5 The pons is a rounded area on the ventral surface of the brainstem _____ contains fibres connecting regions of the brain. A who B where C which D whose

C Definitions

reflex	Schwann cells	dendrites	midbrain	cerebral cortex	dura mater	arachnoid
autonomic nervous system		corpus callosum	ganglion			

- _____ outermost and toughest of the three meninges
- _____ part of the brain between the hypothalamus and the pons that regulates visual/auditory reflexes
- _____ outermost layer of the cerebrum made entirely of grey matter
- _____ involuntary and rapid response to a stimulus
- _____ cells that form the myelin sheath around axons of neurons in the PNS
- _____ weblike middle layer of the three meninges covering the brain and spinal cord.
- _____ any collection of nerve cell bodies forming a nerve centre in the PNS
- _____ part of the peripheral nervous system that controls involuntary actions, such as heartbeat
- _____ large band of neurons connecting the two cerebral hemispheres
- _____ branchlike extensions of neurons that carry impulses toward the cell body

First and Second Conditional

1 Work in pairs. Read the two sentences, spoken by a doctor. Answer the questions that follow.

- His blood pressure would be lower if he didn't smoke.
- If we break up the clot now, that'll prevent further damage to the brain.

- Which sentence talks about something which is possible in the future?
- Which sentence imagines something different from the real situation now?

2 Complete the sentences with verbs in correct form.

- If Mr. Jones _____ (not stop/drink), he _____ (really affect) his health.
- I _____ (not give) Mrs Rook morphine if she _____ (not want) it.
- She _____ (probably die) if we _____ (not operate) soon.
- If he _____ (not be) in hospital, he _____ (be looked after) at home.
- They _____ (not recover) if they _____ (not take) their medicine.
- If George _____ (be not) in hospital, he _____ (be) on holiday.

3 Complete the dialogue by putting the verbs in brackets in the correct tense.

Nurse 1 How's Mr Rigg?

Nurse 2 If his operation goes ¹ (go) well tomorrow, he 'll make ² (make) a full and speedy recovery.

Nurse 1 It's a straightforward procedure, isn't it?

Nurse 2 Yes, he's having a haematoma evacuated from his skull. He _____ ³ (be) home by the weekend, unless something unexpected _____ ⁴ (happen).

Nurse 1 We spend too much time treating cyclists. There _____ ⁵ (not be) so many accidents if they _____ ⁶ (have) more cycle paths.

Nurse 2 And if cycle helmets _____ ⁷ (be) compulsory, there _____ ⁸ (be) fewer brain injuries.

Nurse 1 Yes. This patient was lucky. At least he _____ ⁹ (wear) a helmet when he next _____ ¹⁰ (ride) his bike.

4 Complete these sentences in a way that is true for you.

If I had more time, I ...

I'll be very happy if ...

If my current plan is successful, ...

If I could work anywhere in the world, ...

5 Match the sentences and complete appropriate form of the verbs.

1 The patient _____ (go) into shock

2 The operation _____ (be) simpler

3 If we _____ (have) another theatre,

4 If you _____ (change) your dressings every day at home,

5 Antibiotics _____ (be) more effective

6 If the surgeon _____ (decide) to operate tomorrow,

a he _____ (talk) you through the procedure.

b if the patient _____ (be) so overweight.

c if we _____ (stop) the bleeding quickly!

d if we _____ (use) them less.

e we _____ (be able) to handle a lot more patients.

f you _____ (get) an infection.