Student worksheet

3.5 Things can go wrong with the nervous system

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Neurological disorders

1 What is the main cause of spinal injury?

2 What happens to the body if the spine is severed? Explain why.

3 What is the injury called if the spine is severed at the neck? How would you know if a person has this condition?

4 What is the injury called if the spine is severed in the upper back? How would you know if a person has this condition?

5 How many vertebrae does the human body contain? What is their purpose?

6 What are discs in your spine made of?

7 What happens to cause a slipped disc? And what effect does this have on the body?

8 What is the cause of multiple sclerosis?

9 In the space below, draw a normal and a damaged nerve.

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10 What effect does this damage have on the body? Explain why.

11 What effect does motor neurone disease have on the body? Explain why.

12 What effect does Alzheimer’s disease have on the body?

Extend your understanding

13 Choose one of the 3 neurological disorders below and answer the questions that follow.

Parkinson’s disease, epilepsy, stroke

a What is the cause and organ responsible?

b What effects can it have on your body?

c What is the treatment?

d Is there any way to manage the condition to avoid it happening again/ limit ongoing effects?