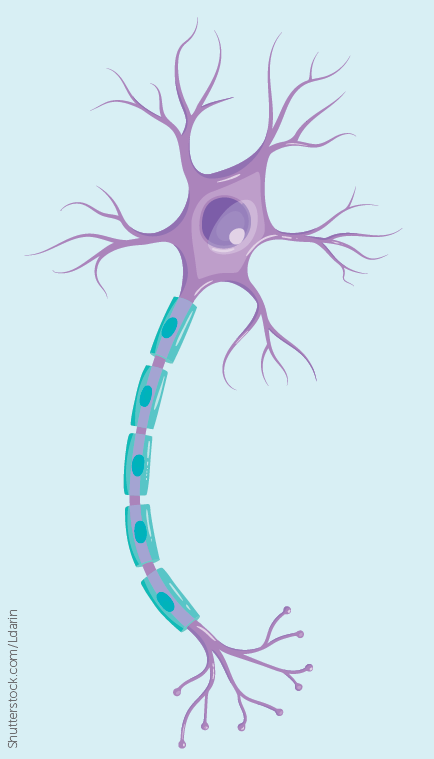
**Review Worksheet: Neurons Name:** …………………………………………………

*Do these questions, using your learning resources. Look at the “marks” to give you an idea of the level of detail required in the response (formative only – does not count towards your grade). At the end, mark your work, correct it, and fill in the reflection section. Questions marked \* require you to use reasoning, inferring and application of knowledge, or perhaps extra research to get the answer. It won’t be right there in the text.*

1: Label the diagram to identify the axon, cell body, myelin sheath, dendrite, nucleus, axon terminal, cytoplasm, node of Ranvier, and Schwann cell.

(4.5 marks)

2: Complete the table to state the function of each part of the neuron

(2.5 marks)

|  |  |
| --- | --- |
| **Structure** | **Function** |
| Mitochondria |  |
| Axon |  |
| Dendrite |  |
| Myelin Sheath |  |
| Neurilemma |  |

3: State the function of:

(3 marks)

Motor Neurons …………………………………………………………………………..

Interneurons……………………………………………………………………………..

Sensory Neurons………………………………………………………………………..

4: What structural type are sensory neurons?

(1 mark)

…………………………………………………………………………………………………………………..

5: What functional types of neurons are usually multipolar?

(1 mark)

……………………………………………………………………………………………………………………

6: Where would interneurons be found?

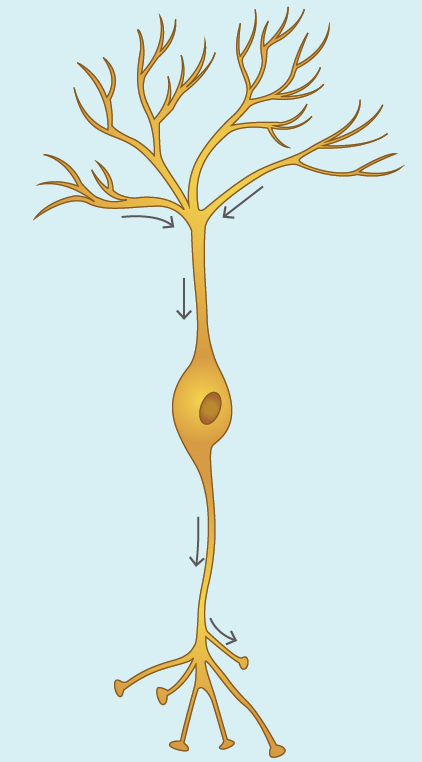
(2 marks)

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7: Classify the neuron shown below and justify your choice by describing the structural features that led you to your classification.

(3 marks)



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8: Are nerves and neurons the same thing? Explain your answer.

(4 marks)

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9: Mixed nerves are:

(1 mark)

A: Nerves where impulses travel both up and down each neuron

B: Nerves that contain bundles of both sensory and motor fibres

C: Nerves that contain only pseudo-unipolar neurons

D: Not found in humans

10: Define “synapse” and state the function of the synapse.

(6 marks)

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11: Why is the white matter in the brain white in colour? \*

(2 marks)

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Go back and mark your work using the marking key provided. What score did you get? /30

*I included enough detail in my answers.*



*I was able to find information in the text/powerpoint presentation.*

*I was able to reason and infer where the information wasn’t directly in the text (questions with \*).*

*I marked my work and wrote down any answers where I missed marks.*