

HUMAN NERVOUS SYSTEM QUESTIONS

1. What is each of these: (a) central nervous system (b) peripheral nervous system (c) autonomic nervous system?
2. What are the different types of stimulus detected by receptors in the: (a) skin (b) eye (c) ear (d) nose (e) taste buds (f) joints?
3. Neurones vary in shape. List the main parts of a typical motor neurone, showing the direction of a nervous impulse within a neurone.
4. Briefly explain what a nerve impulse is.
5. Amazon natives use arrows dipped in the paralysing drug curare. How does curare cause paralysis?
6. Describe the path of a nerve impulse in a simple reflex arc.
7. Using the heart action as an example, describe the effects of the two parts of the autonomic nervous system - the sympathetic and parasympathetic nervous systems.
8. Give an example of how negative feedback is used to maintain homeostasis, if a person has a high body temperature after exercise.