

Question 1

B (III)

In the nervous system the brain and the spinal cord constitute the system on the other hand, in the hormonal system glands and organs are involved in making it work.

Nerve impulses are transmitted through neurons, where as hormones are transmitted through blood vessels.

Nerve impulses make use of the neurotransmitters at synaptic clefts and sodium and potassium channels and enter the cells. The hormones enter into the target cells by diffusing through the plasma membrane or by binding to the cell receptors.

Question 2

B (II)

Where there is a higher temperature the yeast will produce more carbon dioxide, respiration will fall whenever the temperature rises above a certain point ## B (III) You can measure with a gas syringe # Question 2 ## A (III) * Fats - Fats help provide make hormones and helps you get vitamins A, D, E, and K * Carbs - Carbs are the best source of energy and are what the brain prefers * Fibre - Helps regulate the body's level of sugar, and makes sure your hunger and sugar levels are at the correct levels

Question 4

A(II)

It moves up and down whilst the lungs breathe in and out which allows the lungs to fill with air