Marks

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Question 20 (4 marks)

Outline how mitosis and cell differentiation assist in the maintenance of health. Mitosis, which is the replication of cells and cell clifferentiation, which is when cells became specialised and have specific functions, restst the body in the maintennence of health. Without mitosis, restst the body in the maintennence of health. Without mitosis, there nould not be enough. Cells in the body to carry out specialised roles. Therefore, After mitosis, cell differentiation accurs, and this is important as many cells have their and ways of fighting of diseases and maintaining the body's health. Eventual of cells are important in the second and third line of elefence and help to engulf antigens and destray them. Mitosis is also important because if some cells of because new healthy die (eg carcer cells), mitosis can produce new, healthy cells and therefore the maintenance of health can cartinue.