

Question 27 (5 marks)

Describe the physical and chemical processes needed to purify and sanitise a town water supply. 5

Firstly the water has to be strained to remove large ~~part~~ objects. Then the water is mixed with chemicals which will coagulate (join) particles together to become bigger and heavier so that it will drop as sediment in the sedimentation process. After this the water is filtered using microscopic filter membranes ~~which~~ to remove any remaining large particles. In the next stage the water is sanitised to keep it fresh and free from bacteria with the addition of chlorine. Fluorine is also added to ~~raise~~ strengthen teeth and bones.