

Question 27 (5 marks)

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

Water ~~needs~~ undergoes flocculation with $\text{Fe}(\text{OH})_3$ adding to it, forming a precipitate with impurities, that eventually clump together and are removed.

- Water is then filtered through sand granules & microscopic membrane filters.
- Water ~~then~~ then has chlorine added to it to kill any microorganisms in it.
- water then has fluorine added for to strengthen tooth enamel in growing children.