



INDIAN SCHOOL NIZWA
REVISION WORKSHEET : CH-10 MICROBES

Q1. Identify the association? How is this association beneficial to the organisms? Give an example .



Q2. The below given picture is one of the sewage treatment plants in Oman. Answer the following questions.



- a) How does primary sludge differ from activated sludge?
- b) What type of changes in the sludge are carried out in anaerobic sludge digester?
- c) Give the composition of biogas produced in the sewage treatment plant.

Q3. The juice in the bottles of A is clearer than the juice in bottles of B. Give the reason.



Q4. What is biochemical oxygen demand (BOD) test? At what stage of Sewage treatment this test is performed? BOD level of three samples of water labelled as A, B and C are 75 mg/L, 800mg/L and 500 mg/L respectively. Which sample of water is most polluted?

Q5. Name a microbe used for statin production. How do statins lower blood cholesterol levels?

Q6. How does the addition of a small amount of curd to fresh milk help the formation of curd? Mention a nutritional quality that gets added to the curd:

7. Your advice is sought to improve the nitrogen content of the soil to be used for the cultivation of a non-leguminous terrestrial crop.

(i) Recommend two microbes that can enrich the soil with nitrogen.

(ii) Why do leguminous crops not require such enrichment of the soil?

8. Write any 5 places where methanogens can be found.

9. Give examples to prove that microbes release gases during metabolism.

10. How does starter added to milk help it set into curd?