

BIOLOGICAL MAGNIFICATION

- It is also called as biomagnification
- Biomagnification is when toxic substances build up in organisms as they eat food contaminated with those toxins, leading to higher concentrations in animals higher up the food chain, posing risks to their health and ecosystems.

BIOLOGICAL OXYGEN DEMAND

- SHORT FORM: BOD
- BOD tells us how much oxygen is used by bacteria to break down organic matter in water. High BOD levels mean there's a lot of pollution in the water, which can harm aquatic life.

CHEMICAL OXYGEN DEMAND

- SHORT FORM: COD
- COD is a measure of the amount of oxygen required to chemically oxidize organic matter in water. It indicates the level of pollutants or organic compounds present in the water, reflecting its overall contamination

POTABLE WATER

- If we drink the polluted water of rivers and lakes we can fall ill. Water also gets polluted and becomes unsuitable for drinking. Water has to be treated to make it suitable for drinking.
- Water that is suitable for drinking is called potable water.

At homes and in offices, special types of filters are used to remove solid impurities from drinking water.

- Boiling the water for 15-20 minutes kills all germs
- A special type of light called ultraviolet light kills germs-it is used in several water purifiers available in the market today
- Water is passed through a special membrane called a semi-permeable membrane. It has very fine pores through which water can pass through but not the impurities.
- RO water filters are commonly available in the market-they remove solid impurities as well as germs
- Chlorine added to water in the form of chlorine tablets or bleaching powder kills germs.
- However, care has to be taken to add the right quantities of chlorine.

BIOLOGY
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