



Chapter-4 Lecture-2
Water for life

3. Safe water and unsafe water

Safe water:

We need safe water to drink for our daily life. Safe water is water such as boiled water, well-filtered water and tube-well water.

Unsafe water

Arsenic contaminated water:

Arsenic-contaminated water Some tube-wells in Bangladesh contain harmful substances like arsenic. Arsenic-contaminated water does not have a specific taste, odour or colour. Arsenic-contaminated water is not safe for people to drink or use. It may cause skin diseases and cancer.

How can we identify a safe tube-well from an unsafe tube-well?

The water from tube-wells marked in green is arsenic-free. It is safe water. This water can be used for drinking or cooking. The water from tube-wells marked in red is arsenic contaminated. It is not safe water. We should not use it for arsenic-contaminated.

4. Water pollution

Water pollution happens when harmful things get mixed into the water.

Causes of water pollution:

- a) Throwing trash, oil, and harmful waste into water cause water pollution.
- b) Having bath and washing clothes are also caused for water pollution.
- c) Harmful things from sewage, waste water from household or factories are responsible for water pollution.

Effects of water pollution:

- a) Water pollution can cause of death animals
- b) Human is also affected by skin diseases and water borne diseases.

How can we prevent water pollution?

- a) We should not put any harmful thing in the water.
- b) We shouldn't put chemical fertilizer in our agricultural field.
- c) We should pick up trash from the beach, river and canal etc.



Exercise-2

1.Fill in the blanks:

- a) Arsenic
- b) Green
- c) Arsenic
- d) Salty
- e) Waterborne

2. Answer the following question answer:

a) Water pollution is the addition of harmful substances to water. It is harmful for living things.

b) Ways of preventing water pollution:

- i. We should not put any harmful thing in the water.
- ii. We shouldn't put chemical fertilizer in our agricultural field.
- iii. We should pick up trash from the beach, river and canal etc.

c) **Causes of water pollution:**

- i. Throwing trash, oil, and harmful waste into water cause water pollution.
- ii. Having bath and washing clothes are also caused for water pollution.
- iii. Harmful things from sewage, waste water from household or factories are responsible for water pollution.

d) Diarrhoea, cholera and dysentery are some examples of waterborne diseases.

e) The water from tube-wells marked in green is arsenic-free. It is safe water. This water can be used for drinking or cooking. The water from tube-wells marked in red is arsenic contaminated. It is not safe water. We should not use it for arsenic-contaminated.