

WATER PURIFICATION

EXPERIMENT 1:

1. Punch small holes in the bottom of a transparent plastic cup (A).
2. Firstly put small river pebbles at the bottom, then sand and finally - soil on top.
3. Place plastic cup A over another non-perforated cup B with a wider opening so that the water can drain into it.
4. Pour water that is contaminated with various wastes (pieces of mechanical waste and soluble pollutants) in cup A.
5. Wait a few minutes until the water drains into cup B.
6. Note the results: Describe the water in cup B.

Experiment 1: The water in cup B is: _____

EXPERIMENT 2:

1. Punch small holes in the bottom of a transparent plastic cup A.
2. Place a tea strainer with a fine sieve over its opening.
3. Place cup A over another non-perforated cup B with a wider opening so that the water can drain into it.
4. Pour water that is contaminated with various wastes in cup A.
5. Wait for a few minutes so that the water drains in cup B.
6. What do you observe? Record the result.

Experiment 2: The water in cup B is: _____

EXPERIMENT 3:

1. Punch small holes in the bottom of a transparent plastic cup A.
2. Firstly put bigger and then smaller river pebbles at the bottom, and finally - sand.
3. Place the cup (A) over another perforated cup (cup B) which has filter paper on the bottom.
4. Place them on top of each other: cup A is above cup B.
5. Place the construction (cups A and B as explained in 4) over the opening of a larger glass container so that the construction from step 4 does not touch the bottom of the container.
6. Pour water that is contaminated with various wastes in cup A.
7. What can you observe in the glass container? Record the result.

Experiment 3: The water in the glass container is: _____