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Class: V

Sub.tec: Naina paswan

Subject: SCIENCE

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BASED ON N.C.E.R.T PATTERN

LESSON: 11. AIR AND WATER

4. What makes water impure ? What are its harmful effects ?
5. What do you mean by distillation ? Explain the process.
6. How is acid rain formed ?

ANSWERS:

Ans 1. Water from rainfall, streams, and wells can pick up harmful chemicals in the environment like acid and metallic elements. ... Biological components in water can include bacteria, algae, organic waste, amino acids, pathogens, viruses, microbes, and parasites.

Ans 2. distillation, process involving the conversion of a liquid into vapour that is subsequently condensed back to liquid form. It is

exemplified at its simplest when steam from a kettle becomes deposited as drops of distilled water on a cold surface.

Ans 3. Acid rain is caused by a chemical reaction that begins when compounds like sulfur dioxide and nitrogen oxides are released into the air. These substances can rise very high into the atmosphere, where they mix and react with water, oxygen, and other chemicals to form more acidic pollutants, known as acid rain.

LESSON: 12 FORCE , WORK AND ENERGY

Check Yourself

1. What is force ?
2. What are the types of forces ?
3. List out the advantages and disadvantages of frictions.
4. Explain balanced force with an example.

PAGE : 102.

Ans 1. A force is a push or pull upon an object resulting from the object's interaction with another object. Whenever there is an interaction between two objects, there is a force upon each of the

objects. ... Forces only exist as a result of an interaction.

- **Ans 2. Applied Force.**
- **Gravitational Force.**
- **Normal Force.**
- **Frictional Force.**
- **Air Resistance Force.**
- **Tension Force.**
- **Spring Force.**

Ans 3. Advantages and Disadvantages of Friction

- **Friction is responsible for many types of motion.**
- **It helps us walk on the ground.**
- **Brakes in a car make use of friction to stop the car.**
- **Asteroids are burnt in the atmosphere before reaching Earth due to friction.**
- **It helps in the generation of heat when we rub our hands. **TO BE CONTINUE *********