

# Answers

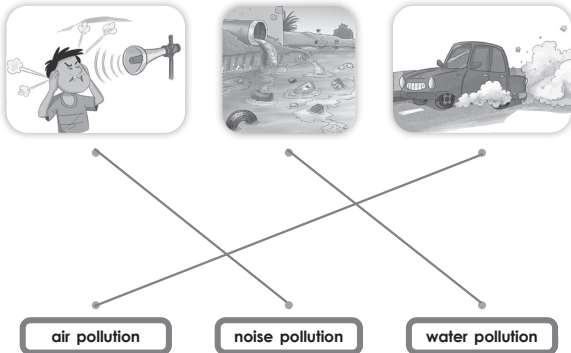
## Theme 7: What Keeps Us Going? Chapter - 9: Our Environment

### Main Coursebook

#### Re-KAP

**Kinaesthetic:** Accept all relevant responses

**Pictorial:**



**Interacting better:** Accept all relevant responses

#### Understanding better (Page 63)

1. Air, water and soil.
2. Plants, animals and humans.

#### Understanding better (Page 64)

1. False
2. False

#### Learning better:

- A. 1. c    2. c    3. a    4. c    5. a
- B. 1. environment    2. biotic  
3. pollution    4. Polluted  
5. Reduce
- C. 1. An ecosystem consists of both living and non-living things that interact with each other.  
2. Smoke from cars, buses, trucks and factories pollutes the air which causes air pollution.  
3. Land pollution
- D. 1. The water in rivers, lakes, oceans and seas become polluted when waste water from our homes, streets and factories flow into it. This is called water pollution. In cities water of various factories, households wastes mixes into river and pollutes it.  
However, in villages water from the fields that contain chemical fertilisers mixes into river and pollutes it.
2. The 3Rs stands for Reduce, Reduce and Recycle.

**Reduce:** Reduce means to minimise the use of certain materials, such as plastic, glass, etc.

**Reuse:** Reuse means to use the items, which we are already using, again for different purposes. For example, we can use glass bottles or pots for plants or holding stationery items.

**Recycle:** Recycle means to convert an item, which has already been used, into something new. By doing this, the already used item can be used again. For example, glass bottles and jars can be crushed, melted and changed into new glass products.

**Creating Better:** Accept all relevant responses

**Thinking Better:** If we did not have clean water, it would cause many problems:

1. People could get sick from drinking dirty water.
2. Animals and fish could die, affecting the balance of nature.
3. Plants and crops would not grow properly, leading to less food.

**Choosing Better:** 1

### Students' Worksheets

#### Worksheet 1

- A. 3, 4
- B. 1. Air, water and temperature.  
2. The living and non-living things around us forms the environment.  
3. An ecosystem consists of both living and non-living things that interact with each other.  
4. All living things in an ecosystem are called biotic components.  
5. The non-living things are called abiotic components.
- C. 1. False    2. False    3. True  
4. True    5. False

#### Worksheet 2

- A. 1. Bathing and washing.  
2. Reduce, Reuse and Recycle.  
3. Reduce means to buy what we really need.  
4. Reuse means to use things again.  
5. Recycle means to convert an item, which has already been used, into something new.
- B. 1. diseases    2. polluted    3. land  
4. garbage    5. fuels
- C. 1. True    2. True    3. True  
4. False    5. False

### Worksheet 3

- A. 1. airtight      2. dry      3. compost  
4. plants      5. biodegradable
- B. 1. When there are too many loud and unpleasant sounds around us, such as car horns, loud music or construction noises, it is called noise pollution.
2. When the smoke from cars, buses, trucks and factories pollutes the air in the city, it is called air pollution.
3. When garbage is thrown in open spaces, it is called land pollution.
4. When the water in rivers, lakes, oceans and seas becomes polluted by throwing wastewater from our homes, streets and factories, it is called water pollution.
5. In cities, the water is cleaned and made potable by water treatment plant.
- C. Smoke from cars, buses, trucks and factories pollutes the air in the city.

### Book of Holistic Teaching

#### Developing better

A. English:

1. India has a rich cultural heritage.  
2. I will eat lunch after the game of chess.

B. Maths:

Rishi will observe the sapling on August 21st.

C. Social Studies:

1. Bicycle       2. Car   
3. Bullock cart

### Book of Project Ideas

**Making better:** Accept all relevant responses.

# Answers

## Theme 7: What Keeps Us Going?

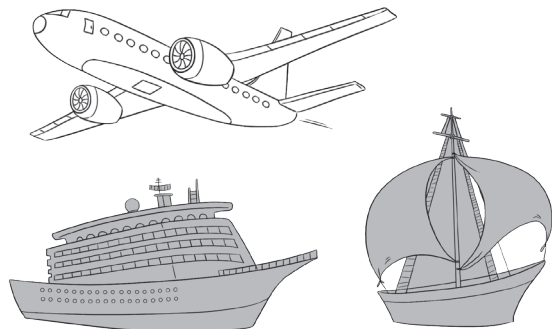
### Chapter - 10: Water and Air

#### Main Coursebook

#### Re-KAP

**Kinaesthetic:** Accept all relevant responses

**Pictorial:**



**Interacting better:** Accept all relevant responses.

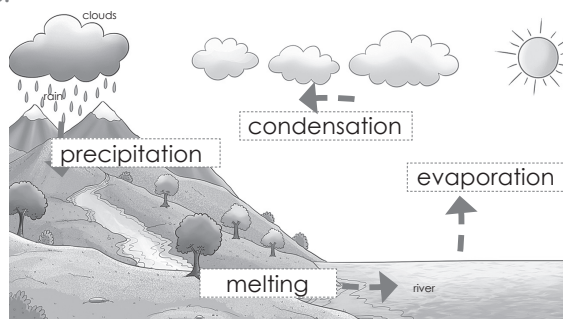
**Understanding better (Page 70)**

1. true
2. true

**Learning better:**

- A. 1. a    2. a    3. c    4. b    5. b

B.



- C. 1. We need air to breathe and stay alive.  
 2. When water vapour cools down, it changes back into water droplets. This is called condensation.  
 3. Ice, water and water vapour
- D. 1. Water exists in three forms: ice, water and water vapour.  
 When water is boiled, it changes into water vapour. This process is called evaporation.  
 When water vapour cools down, it changes back into water droplets. This is called condensation.  
 When water cools down further, it changes into ice. This process is called freezing.

When ice starts to change back into water, the process is called melting. Melting occurs with rise in heat or temperature.

2. The steps to be followed for water conservation are as follows:
  1. use water that was used to wash vegetables or fruits to water your plants
  2. turning off the taps after use
  3. using a bucket and mug to bathe instead of taking a shower
  4. fixing leaking pipes

**Creating Better:** Accept all relevant responses

**Thinking Better:** If we did not have clean air and water, people, plants and animals would struggle to live because of sickness and pollution. To keep them clean, we can plant more trees, avoid littering and use less plastic.

**Choosing Better:** 2. Close the tap properly.

#### Students' Worksheets

##### Worksheet 1

- A. 1. three    2. pipes    3. taps  
 4. cools    5. heat or temperature
- B. fresh; water; groundwater; impurities; salts
- C. 1. boiling  
 2. condensation  
 3. freezing  
 4. melting  
 5. rainwater harvesting

##### Worksheet 2

- A. 1. atmosphere    2. food  
 3. clouds    4. wells  
 5. boiled
- B. 1. Nitrogen, oxygen, carbon dioxide and some other gases.  
 2. Bathing and drinking.  
 3. Rainwater that seeps into the ground is called groundwater.  
 4. Ice, water and water vapour.  
 5. When water vapour cools down, they change back into water droplets. This is called condensation.
- C. Rainwater harvesting is a simple method of saving rainwater for later use. In this method, people collect rainwater in big containers, drums or storage tanks. This water is then filtered and used for bathing, washing and watering plants.

### Worksheet 3

- A. 1. All living things need air to breathe and stay alive.  
2. Plants need air to make their own food.  
3. Birds, aeroplanes, hot-air balloons and parachutes need air to fly.  
4. Air is filled in balloons, tyres and footballs.  
5. Air is needed to light a fire.
- B. When the Sun shines, water from rivers, ponds, lakes and seas heats up and changes to water vapour.

This water vapour goes up into the sky with the air. High up in the sky, the water vapour cools down to form tiny drops of water. These tiny drops come together to form clouds and fall down as rain. The rainwater flows back to the rivers, ponds, lakes and seas. This cycle of change in the form of water is called the water cycle.

- C. The shortage of water is known as water

scarcity. Sometimes, there is not enough rainfall in some areas. Rivers and ponds dry up, causing shortage of water.

### Book of Holistic Teaching

#### Developing better

A. **English:**

1. I saw a big, colourful (fish) in the pond.
2. Kamal will (finish) his homework before going outside to play.

B. **Maths:**

Rahat paid a total amount of ₹15.50.

C. **Social Studies:**

Aeroplane is a means of air transport which the people use to go from one city to another.

### Book of Project Ideas

#### Making better

Accept all relevant responses.