



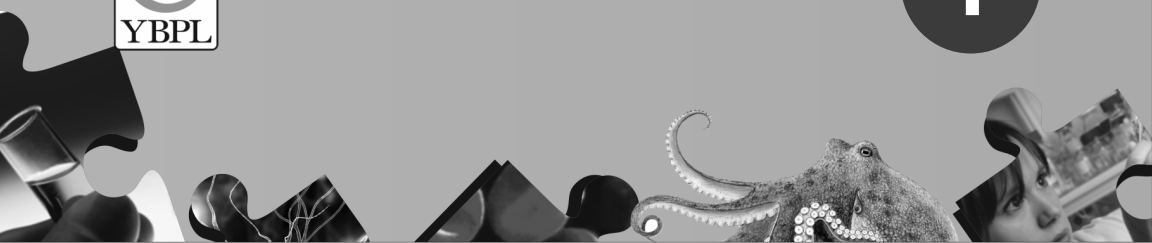
*Modern*

# *Science*

*Teacher Manual*



1



# MODERN SCIENCE - 1

## CHAPTER - 1 : LIVING AND NON-LIVING THINGS

**A.** 1. b, 2. c, 3. b, 4. b. **B.** 1. living, 2. non-living, 3. food, 4. boy. **C.** 1. T, 2. T, 3. F, 4. F. **D.** 1. Plants and animals, 2. Books and Balls, 3. Living things have life in them. They can breathe. 4. Two natural things : Sun, water, Man-made things : Chair, book. **HOTS :** 1. **STONE :** Natural non-living thing, 2. Because it cannot move on its own.

## CHAPTER - 2 : ABOUT PLANTS

**A.** 1. b, 2. b, 3. c, 4. c. **B.** 1. trees, 2. few, 3. grapevine, 4. pumpkin, 5. shrub. **C.** 1. T, 2. T, 3. F, 4. F. **D.** 1. Some plants are small but strong. Such plants are called shrubs. Two examples of shrubs are rose plant and cotton plant. 2. Diagram(pg. 13). leaf, stem, flower, fruit and roots. 3. Climbers climb up taking the support of other plants, sticks or walls. Pea plant and grapevine are examples of climbers., 4. Plants which have thorns are called thorny plants Eg. cactus, rose. **HOTS :** 1. Banana, Potato. 2. This is because their stems are weak and their fruits are heavy. 3. Plants need air, minerals and water to grow. They get these from the soil.

### CHAPTER - 3 : PLANTS AS FOOD

**A.** 1. a, 2. b, 3. c, 4. b. **B.** 1. Food, 2. taste, 3. leaves, 4. apple. **C.** 1. F, 2. T, 3. F, 4. T. **D.** 1. Turmeric, cardamom. 2. Root, stem. 3. Cereals and pulses are the seeds we eat. They are called food grains. 4. Mustard oil, sunflower oil. **HOTS :** 1. Yes, because cauliflower is a flower that we eat as a vegetable. 2. Tea leaves from tea plant. 3. No, because some vegetables like tomato, carrot, radish, etc. are eaten raw as salad.

### CHAPTER - 4 : ABOUT ANIMALS

**A.** 1. a, 2. b, 3. b, 4. a. **B.** 1. Ostrich 2. wings, 3. domestic, 4. land. **C.** 1. F, 2. F, 3. F, 4. F. **D.** 1. Dog, Cat, 2. Cow, Buffalo, 3. Lion, Elephant, 4. Rat, Lizard. **E.** 1. Elephant. 2. We tame some animals for work or for food. They are called domestic animals. E.g: sheep, cow goat. 3. Animals that live in forests are called wild animals E.g: lion,tiger . 4. Land, water, tree. **HOTS :** 1. They have beaks to eat. 2. (a) Ostrich, (b) Penguin

### CHAPTER - 5 : FOOD AND SHELTER OF ANIMALS

**A.** 1. a, 2. b, 3. b, 4. a, 5. b. **B.** 1. plants, 2. humans, 3. Cow, 4. Monkey, 5. Bird. **C.** 1. F, 2. F, 3. F, 4. T, 5. T. **D.** 1. Spider, bird. 2. Lion. 3. Cow and deer. 4. Hen and Pigeon. 5. Monkey and squirrel. **HOTS :** 1. Aquarium. 2. Honey is healing

agent used for sore throat, cold and other common ailments.

## CHAPTER - 6 : OUR BODY

**A.** 1. c, 2. b, 3. a, 4. a, 5. a. **B.** 1. sense, 2. see, 3. grow, 4. Brush. **C.** 1. F, 2. T, 3. F, 4. T. **D.** 1. Eye, Nose, Stomach, Leg, Toe. 2. We must keep our body clean. It makes us healthy. 3. Eyes, ears, nose, tongue and skin. 4. We must do yoga to keep ourselves fit. We must do Pranayam for good health. We must eat healthy food. **HOTS :** 1. (a) Eyes, (b) Legs, (c) Foot. 2. Right because we can identify an object's, size by touching it with the skin. 3. If we give the children their clothes they used to wear when they were babies, they will not fit into them. This confirms that they are growing.

## CHAPTER - 7 : FOOD FOR HEALTH

**A.** 1. b, 2. a, 3. b, 4. b. **B.** 1. different, 2. energy, 3. grow, 4. milk. **C.** 1. T, 2. F, 3. F, 4. T. **D.** 1. We need food to live and grow. Food keeps our body strong and healthy. 2. Rice and Wheat. 3. We get vegetables, fruits, cereals and pulses from plants. 4. We get milk, eggs and meat from animals. **HOTS :** 1. Animals products. 2. No, these are junk food and will spoil her health.

## CHAPTER - 8 : HOUSING AND CLOTHING

**A.** 1. a, 2. a, 3. b, 4. c. **B.** 1. sheep, 2. season, 3. bedroom, 4. raincoats, 5. clean. **C.** 1. T, 2. F, 3. F, 4. F, 5. T. **D.** 1. House and clothes, 2. We need a house to live in, to protect us from heat, cold, rain and thieves. 3. We need clothes to cover our body and to protect us from heat, cold and rain. 4. Woollen clothes. 5. Do yourself. **HOTS :** 1. No. 2. Woollen clothes. Because woollen clothes keep us warm. 3. Do yourself.

## CHAPTER - 9 : KEEPING SAFE AND HEALTHY

**A.** 1. b, 2. a, 3. b, 4. a. **B.** 1. swimming, 2. go, 3. traffic, 4. playground. **C.** 1. F, 2. F, 3. T, 4. T. **D.** 1. The red light tells you to stop. The yellow light tells you to wait. The green light tells you to go. 2. We should not play with electric switches and plugs. We should not play with sharp tools, such as, knives, scissors, blades, etc., 3. On zebra crossing, 4. Matchsticks and sharp tools. **HOTS :** 1. Stop. 2. It may cause an accident, 3. No, It is a bad habit and will spoil his health.

## CHAPTER - 10 : AIR AND WATER

**A.** 1. b, 2. b, 3. b, 4. a. **B.** 1. living, 2. balloon, 3. Air, 4. weight. **C.** 1. F, 2. T, 3. T, 4. F. **D.** 1. b, 2. d, 3. c, 4. a. **E.** 1. We get water from sea, river, lake, pond and well. 2. We need water to water the plants. We need water to have a bath. We need water to cook food. 3. We need air to fly kites. We fill air in

the balloons. Air helps in burning. 4. Air has no colour. It has no smell. **HOTS : 1.** Tap water is not clean water. It should be cleaned before drinking by boiling or by filtering. **2.** When it is windy because wind helps kite to fly in air.

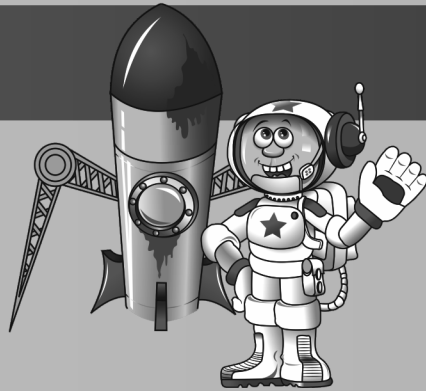
## CHAPTER - 11 : WEATHER

**A.** 1. a, 2. c, 3. b, 4. a. **B.** 1. cotton, 2. hot, 3. cool, 4. raincoat. **C.** 1. F, 2. F, 3. T, 4. T. **D.** 1. February, March, 2. May, June, 3. July, August, 4. September, October, 5. November, December, January. **E.** **1.** We wear woollen clothes as they keep us warm. We drink hot liquids to warm ourselves. We apply oil or cream on our body to protect the skin from dryness. We play some outdoor games to keep our body warm. **2.** Spring, summer, rainy, autumn, winter. **3.** Hot days, cold days, windy days, rainy days. **4.** We wear cotton clothes as cotton can absorb sweat and keep us cool. We drink fruit juices to keep the body cool. We take bath both in the morning and evening to keep ourselves clean. **HOTS : 1.** Indoor. **2.** To protect themselves from the scorching heat of the sun.

## CHAPTER - 12 : THE SUN, MOON AND STARS

**A.** 1. a, 2. a, 3. c, 4. a. **B.** 1. east, west 2. moon, 3. plants, 4. night. **C.** 1. T, 2. F, 3. T, 4. T. **D.** **1.** Heat and light. **2.** Stars. **3.** Moon. **4.** Huge ball of fire. **HOTS : 1.** No, because there is no air, and no water on the moon. **2.** The sun is our nearest star, the others stars are very far away. So the sun appears to be big.

# *Modern* **SCIENCE**



**YELLOW BIRD PUBLICATIONS PVT. LTD.**

**EDUCATIONAL PUBLISHER**

Regd. Off. : F-214, Laxmi Nagar, Delhi-110 092

Tel. : 91-11-4758 6784, 91-97116 18765

E-mail : [yellowbirdpublications@gmail.com](mailto:yellowbirdpublications@gmail.com) • [info@yellowbirdpublications.com](mailto:info@yellowbirdpublications.com)

Website : [www.yellowbirdpublications.com](http://www.yellowbirdpublications.com)