

Learning Express -- Exploring Science – Class - 1

Chapter-1:

A. 1. Things which have life are living things.

Ex. 1. Birds, 2. Animals.

2. Things which do not have life are non-living things. **Ex.** 1. car, 2. Computer

3. The Sun, Water.

4. Pencil, Rubber

B. 1. Living things 2. Natural things

Think it over (HOTS)

1. The Money plant climbs over the higher point with the help of the thread.

2. The Lotus

Chapter-2:

A. 1. Big and small trees are called as plants.

Ex. Neem, Banyan.

2. The plants which creep on ground, grow and spread on ground are creepers. **Ex.** Cucumber, Watermelon.

3. The plants that grow in water are called aquatic plants. **Ex.** Lotus and water lily.

B. 1. Herbs are small and weak plants with thin stems.

2. Some plants have sharp thorns. They are thorny plants.

3. Because they have delicate and thin stems

Think it over (HOTS)

1. We can't get air, rains, fruit, flowers, vegetables etc.

2. Cactus does not need much water to grow.

Chapter-3:

A. 1. The process of a plant grows up from a seed

from the soil is called as germination of a seed.

2. Root, stem, leaf, flower and fruit.

3. Roots help the plant for absorbing water available in the soil.

4. Stem helps the plant to stand erect and transporting water and food to different parts of the plant.

B. 1. In the presence of sunlight.

2. Coriander and cabbage 3. Cactus

C. 1. Walnut 2. seed 3. Flower 4. stem 5. Root

Think it over (HOTS)

1. As the roots grow at the point where the leaf starts it is helpful to the plant in absorbing the water in the soil speedily and completely.

Chapter-4:

A. 1. Wheat, Rice, Maize, Peas and Beans.

2. Cardamom, clove, Black-pepper, Cumin seeds and Turmeric.

3. Carrot, Aram, Turnip

4. Cocoa beans provide coffee.

5. Groundnut plant, coconut plant, sunflower plant.

6. Mint, neem, amla.

B. 1. Mustard plant 2. Tea plant 3. Ginger

4. Cauliflower

Think it over (HOTS)

1. Though brinjal is a fruit we can have it only cooked. So we treat it as vegetable.

2. Tomato, carrot, onion, beet-root, keera-cucumber.

Chapter-5:

A. 1. Camel, Cow, Buffalo

2. By using wings.

3. Animals that live in forests are wild animals.

B. 1. shark 2. Ox 3. Cuckoo

Think it over (HOTS)

1. Wild Animal 2. Tiger

Chapter-6:

- A.** 1. Lizards live on walls and roofs.
2. In sty. 3. In stable.
4. Fruits and Nuts.
5. Cock, buffalo, Ox and Camel are Herbivores.
6. Cock, buffalo and ox are plant eating animals.
7. Animals like mouse, cock and birds like pigeon and sparrow eat grains.
8. Leopard, Tiger and Hyena.

Think it over (HOTS)

1. Python
2. Lizard

Chapter-7:

- A.** 1. Oxygen, Carbon-di-oxide
2. Smoke coming out of cars pollute the air.
3. To breathe oxygen in the air and grow.
B. 1. Wind 2. Storm 3. As we need air for breathing.

Think it over (HOTS)

1. Stale air consists of smoke, carbon-di-oxide which is harmful; to health if breathe. Blowing air is fresh.
2. We see it.

Chapter-8:

- A.** 1. Plants need water to live and grow.
2. Animals need water especially for drinking and also for bathing.
3. We need water for thirst, bath, wash, cook and put out fire.
4. No, water is essential like air to live.
5. Rain, well, hand pump.
B. 1. Tanks 2. clothes 3. food 4. water

Think it over (HOTS)

1. I use it for drinking.
2. By building dams. By using water to the

necessity level.

3. By storing water in lakes and ponds.

Chapter-9:

- A.** 1. Sunny, cold, rainy and winds.
2. When sky is covered with clouds and occurs rain, that day is called as rainy day.
3. By wearing woollen clothes with the help of heater or fire placement and having hot drinks like soup, coffee, tea.
4. To keep the rooms cool in summer.
5. To keep ourselves warm.

- B.** 1. Cotton clothes 2. Rain coats 3. Five seasons 4. Seven colours 5. Loo

Think it over (HOTS)

1. Cotton clothes as they protect from heat and absorb sweat.
2. Because water goes out in way of sweat. So we drink more water in summer.

Chapter-10:

- A.** 1. The Sun gives us heat, light and energy.
2. Moon Phases.
3. The sun is a star. It gives us heat, light and energy. It is very big and round like a hot ball of gases.
B. 1. The sun and eight planets which wander in fixed orbits in the space are called solar system.

2. The earth

Think it over (HOTS)

1. Because of the sunlight we cannot see the moon and stars in the day.
2. The moon is near to us.

Chapter-11:

- A.** 1. Hand, leg, stomach and chest
2. breathe

3. Get sense of taste

B. 1. catching sounds

2. 206 Bones

F. 1. skin - covers our body and protect internal

organs of our body.

2. Ears - We listen to sounds with ears

3. Nose - smell and breathe

4. Eyes - see

5. Tongue - taste

Think it over (HOTS)

1. Yes. Skin has the sensing power of heat.

2. Nose

Chapter-12:

A. 1. We feel tiredness when we don't take rest properly.

2. To free teeth from germs formed by food particles and keep clean.

3. To maintain good health.

4. Foot-Ball and Hockey.

5. To vacate dirt and germs.

B. 1. At 10 pm 2. At least 8 hours.

3. To keep them neat and clean.

Think it over (HOTS)

Brain gets pain. Eyes get heat and organs act lazy. Total body feels uneasy.

Chapter-13:

A. 1. To stay healthy and strong.

2. Water plays a major role in our digestion process.

3. Carrot, Tomato, apple, banana.

4. Rice, wheat, Maize, Jowar.

B. 1. Egg, meat, fish and pulses.

2. Fruits and vegetables.

3. Junk food

4. 1. Protective food 2. Body building food

3. Energy giving food

Think it over (HOTS)

1. Muscle pains, nerves weakness.

2. Body-building food from meat, eggs.

Chapter-14:

A. 1. Kutcha house, pucca house.

2. In the kitchen.

3. To protect ourselves from heat, cold, wind and rain.

B. 1. cotton clothes 2. woollen clothes

3. In Rainy season 4. We get wool from the fur of sheep.

Think it over (HOTS)

1. To protect from falling rocks ever.

2. Angora goat, Eashmere goat.

Chapter-15:

A. 1. In order to keep ourselves and others safe.

2. 1. Use footpath and keep left.

2. Cross the road only at the zebra crossing.

3. 1. Don't play with power equipments such as switches. 2. Don't play with sharp tools such as blades.

4. 1. Do not lean out of windows of a moving bus.

2. Do not board or get down from a moving bus.

5. Should stop and do not cross the road.

B. 1. No, we should not. 2. No, we should not.

3. We should not push others while climbing stairs.

4. We should not play with switches, plugs or sharp tools.

Think it over (HOTS)

1. I call any elder to light a candle because I cannot manage the flames of fire and wax.

2. I stand on the footpath and follow the signals. Cross the road through zebra lines.