(Teacher Manual)

Class-1



SCIENCE NATURE-1

1. Living and Non-living Things

- A. 1. Right 2. Wrong 3. Wrong 4. Right 5.Right
- **B.** 1. a 2. b 3. c 4. b 5. a

2. Green World of Plants

- A. 1. Right 2. Right 3. Wrong 4. Wrong 5. Right
- **B.** 1. Neem 2. Shrubs 3. Climbers 4. Creepers
- C. 1. c 2.b 3.a 4.b
- **D.** 1. Big,tall mango. 2. Mint Sunflower. 3. The stem of creepers.
- E. Do yourself

3. Food from Plants

- A. 1. Wrong 2. Right 3. Right 4. Wrong 5. Right
- **B.** 1.a2.c3.c4.c5.b
- C. 1. Roots, stems, leaves and flowers.
- 2. Fleshy and juicy part of a plant. 3. Cereals and pulses. 4. Tea and coffee are beverages.
- 5. Red chillies, cumin seeds and clove.

4. Wonderful Animals

- A. 1. big 2. milk 3. zoo 4. penguin 5. aquatic animal
- **B.** 1.c2.a3.c4.b5.b
- C. 1.c2.e3.b4.a5.d

5. Animals: Food and Shelter

- **A.** 1. Right 2. Right 3. Right 4. Wrong 5. Right
- **B.** 1. a 2. b 3. b 4. c 5. a
- **C.** 1. Plant-eaters eat grass and other green plants while flesh-eaters hunt other animals and eat their flesh. 2. Frog, spider and lizard.
- 3. Elephants, monkeys and rabbits. 4. Birds
- 5. Dog and cow.

6. Our Body

- **A.** 1. two 2. two 3. ten 4. two 5. two 6. one 7. one 8. two
- **B.** 1.c2.a3.a4.a5.b
- **C.** 1. Many 2. Writing and eating 3. Running and skipping 4. Eyes, nose sense

organs. 5. Skin

7. We Need Food

- **A.** 1. fruits, vegetables and cereals 2. milk, eggs and meat 3. butter, ghee and curd
- 4. breakfast, lunch and dinner
- **B.** 1. b 2. c 3. a 4. c 5. a
- C. 1. To live and grow. 2. Plants and animals.
- 3. Food items that are made from milk.
- 4. Foods that help healthy foods.
- 5. Breakfast, lunch and dinner.

8. Housing and Clothing

- **A.** 1. houseboats 2. rooms 3. bedroom 4. clothes 5. cotton
- **B.** 1. c 2. a 3. c 4. a 5. c
- C. 1. To live in. 2. Permanent houses made are of bricks, cement and steel while temporary houses are made of mud, thatch and dry grass. 3. Houses that are made of cloth. 4. We wear cotton clothes in summer season and woollen clothes in winters. 5. Special clothes wear by some people at work.

9. Keeping Fit

- **A.** 1. Wrong 2. Wrong 3. Wrong 4. Right 5.Right
- **B.** 1.b2.c3.a4.c5.b
- C. Eat healthy food surroundings clean. 2. Makes us feel of energy. 3. Exercising and playing outdoor games. 4. By keeping ourselves dust and germs free. 5. Throw trash in trashbin and cover the mouth while sneezing.

10. Stay Safe

- **A.** 1. Safety 2. zebra crossing 3. road 4. Green 5. heater
- **B.** 1.c2.a3.a4.c5.c

11. We Need Air

- $\mathbf{A.}\ 1.\ Air\ 2.\ breathe\ 3.\ move\ 4.\ wind\ 5.\ helps$
- **B.** 1. a 2. b 3. b 4. c 5. c

C. 1. When it moves. 2. The air takes up the space inside the balloon. 3. Moving air is called wind. 4. Air occupies space and has weight. 5. Air helps us to breathe and to burn things.

12. We Need Water

- **A.** 1. Wrong 2. Right 3. Wrong 4. Right 5. Right
- **B.** 1. a 2. b 3. c 4. b 5. a
- **C.** 1. Plants need water to grow. 2. For drinking and bathing. 3. Rain 4. A large water body that flows towards sea or ocean. 5. Pot, bucket, bottle and tank.

13. Weather and Seasons

A. 1. sun 2. summer season 3. winter season

4. monsoon 5. fall

B. 1.b2.c3.b4.c5.a

C. 1. There are five seasons in a year. 2. Weather is the condition of air at a particular time or place. 3. We wear woollen clothes to keep ourselves warm. 4. The days of spring and autumn seasons are very pleasant. 5. Raincoats and umbrella

14. Up in the Sky

A. 1. Wrong 2. Wrong 3. Wrong 4. Right 5.Right

B. 1.b2.c3.c4.c5.c

C. 1. The space above the Earth. 2. The sun.

3. No. 4. People who travel in space. 5. Because they are very very far from us.

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Class-2



SCIENCE NATURE-2

1. Types of Plants

A. 1. Right 2. Wrong 3. Right 4. Wrong 5. Wrong

B. 1.b2.a3.c4.a5.b

C. 1. In the soil 2. We can classify the plants on the basis of their shape and size. 3. In most trees the trunk bears many small stems called branches. 4. **Shrubs:** a. Shrubs smaller than trees. b. Shrubs have a thin and hard stem. **Herbs:** a. The very small plants are called herbs. b. Herbs have a soft stem.

5. **Climbers:** a. Climbers cannot erect stand on their own. b. They need support of another plant or sticks to stand.

Creepers: a. Creepers crawl along the ground. b. Creepers have weak stem.

2. Uses of Plants

A. 1. Right 2. Wrong 3. Right 4. Wrong 5. Right

B. 1. c 2. a 3. b 4. a 5. c

C. 1. Plants gives us vegetables, fruits, cereals and pulses. Plants also give us coffee, tea, sugar, oil and spices. 2. Onion, carrot and radish 3. Pulses are very important for the growth of children. Children should eat plenty of pulses in their meals. 4. a. Tulsi is used for treatment of cold and cough. b. Neem leaves and its bark are used for skin diseases. c. Cinchona leaves are used for curing malaria. 5. Three uses of plants are: a. Flowers of some plants are used for decoration. b. Some plants are used as hedges. c. Dried wood of trees is used as fuel.

3. Animals Help Us

A. 1. Right 2. Right 3. Wrong 4. Right 5. Right

B. 1. a 2. c 3. c 4. b 5. a

C. 1. lion 2. cow 3. oil 4. tie 5. sheep

D. 1. Animals that we animals.

2. Cows, buffaloes and goats. 3. Silkworm

4. Shoes, jackets and belts. 5. Donkey, horse, ox and elephant; because they are used to carry our fields.

E. 1. Bread 2. Butter 3. Cheese 4. Curd 5. Ghee

4. Wild Animals

A. 1. Rabbit 2. Monkey 3. Cow 4. Jackal 5. Dodo

B. 1. b 2. a 3. b 4. c 5. a

C. 1. Animals that live in forests.2. Elephant, giraffe and zebra. 3. In nest 4. Herbivores eat grass, leaves and fruits while carnivores eat the flesh of other animals. 5. Human beings other things.

D. 1. Pride 2. Herd 3. Colony 4. Troop 5. Flock 6. School

5. Bones and Muscles

A. 1. Wrong 2. Right 3. Wrong 4. Right 5. Wrong

B. 1.b2.c3.a4.c5.b

C. 1. The bones together called the skeleton. 2. The skull 3. To bend and twist. 4. To allow us to walk, run and play. 5. The position called posture.

6. Healthy Food

A. 1. food 2. protective 3. first 4. slowly 5. uncovered

B. 1. c 2. a 3. b 4. a 5. b

C. 1. To live and grow. 2. Rice, sugar, butter, potato, etc. 3. It helps us to from our body. 4. Some people called vegetarians and some non-vegetarians.

5. (a) Wash meals. (b) Always eatfood.

7. Housing and Clothing

A. 1. Pucca 2. flats 3. tents 4. summer 5. Wool

B. 1. a 2. c 3. b 4. a 5. c

D. 1. Igloo 2. Bricks 3. Raincoat 4. Tent 5. Carvan

8. Safety

A. 1. Right 2. Right 3. Wrong 4. Wrong 5. Wrong

B. 1. a 2. b 3. a 4. c 5. a

C. 1. Our carelessness 2. On the pavement. 3. Do not lean out	vapours rise up and cool down to form clouds. D. 1. Snow 2. Steam 3. Ice 4. Sun 12. Weather and Seasons A. 1. Weather 2. Season 3. Loo 4. Winter season 5. Rainbow B. 1. a 2. c 3. b 4. a 5. b C. 1. Weather is a
B. 1. c 2. a 3. c 4. c 5. a	
C. 1. Solid, liquid and gas. 2. When water changes called evaporation. 3. When	sun heats clothes. 3. Bulb and tube light. 4. When any object called a
steam called condensation. 4. The sun heat seas and oceans. 5. Water	shadow. 5. Because the shapeposition of the sun.

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Class-3



SCIENCE NATURE-3

1. Living and Non-living Things

A. 1. Right 2. Wrong 3. Wrong 4. Right 5. Wrong

B. 1. c 2. a 3. a 4. b 5. c

C. 1. All people, animals and plants are living things. Things that are made by man and can not breathe are non-living things. 2. Man-made things: Things that are made by people are called man-made things. Natural things: Things that are created in nature are called natural things. 3. Cut flowers are once living as they were once a part of living plants. 4. Many animals such as cows, buffaloes, camels, tigers breathe through their nostrils and insects like cockroaches breathe through their tiny air holes called spiracles. 5. Humans, animals and plants reproduce their own kind. Humans and most animals give birth to babies that are like themselves. This is called reproduction.

2. Plant Life

A. 1. Right 2. Right 3. Wrong 4. Wrong 5. Wrong

B. 1.a 2. c 3.b 4. a 5. b

C. 1. a. The part of the plant that remains under the ground is called the root. b. The part which is above the ground is called the shoot. 2. Roots absorb water and nutrients that plants need to grow. They can also store food. 3. The shoot system includes the aboveground structures of plants. That means it includes the leaves, buds, stems, flowers and fruits of plants. 4. The leaves take sunlight and carbon dioxide from the air and convert the nutrients to plant food. This process is called photosynthesis. 5. The underside of the leaf has very tiny pores, called stomata. 6. The process by which a seed grows into a tiny plant is called germination.

D. 1. Stem 2. Roots 3. Flower 4. Leaves 5. Fruit

3. Eating Habits of Animals

A. 1. Right 2. Wrong 3. Right 4. Wrong 5. Right

B. 1. a 2. a 3. c 4. b 5. b

C. 1. Grass, leaves and plants. 2.	. Animals
that eat both as o	mnivores.
3. Some herbivores	. chewing
of cud. 4. Omnivores	small
pieces. 5. Dogs and cats	
lapping.	
D 1 0 10 10 14 E	- D

D. 1. Goat 2. Cow 3. Squirrel 4. Frog 5. Dog

4. Wonderful Birds

A. 1. Right 2. Right 3. Wrong 4. Right 5. Wrong

B. 1. a 2. b 3. a 4. c 5. b 6. c

C. 1. c2. d3. e4. b5. a6. f

D. 1. feathers 2. warm 3. Cardinal 4. talons 5. Penguins

F. Do yourself

5. The Human Body

A. 1. b 2. a 3. e 4. c 5. d

B. 1.a2.b3.c4.a5.c

6. Safety First

A. 1. Wrong 2. Wrong 3. Right 4. Right 5. Wrong

B. 1. a 2. c 3. c 4. a 5. c

C. 1. Knives or appliances. 2. Diwali quickly. 3. Do not school gate. 4. First aid is arrives. 5. If there's bleeding pat dry. D. Do yourself

7. Housing and Clothing

A. 1. Igloos 2. Houseboat 3. Cotton clothes 4. Silk 5. Polyester

B. 1.b2.a3.c4.b5.b

C. 1. We all our house. 2. People called nomads. 3. A good house germ-free. 4. We should kept covered. 5. Fibres we get man-made

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Class-4



SCIENCE NATURE-4

1. Food for Plants

A. 1. Wrong 2. Right 3. Right 4. Wrong 5. Wrong 6. Right

B. 1. a 2. b 3. c 4. b 5. a 6. b

2. Adaptations in Plants

A. 1. Right 2. Wrong 3. Right 4. Wrong 5. Wrong 6. Right

B. 1.b2.c3.b4.a5.c6.b

C. 1. The living and dwelling place of a plant or an animal is known as its habitat. 2. The plants have to adjust according to the environment by changing some of their parts. These modifications in the structure and function of an organism to adjust the various habitats are known as adaptations. 3. Trees growing in plains sunlight. 4. The trees in these their branches. 5. The roots of floating plants are carnivorous in nature. Their leaves are modified to trap insects. D. Do yourself

3. Reproduction in Animals

A. 1. f 2. e 3. b 4. c 5. d 6. a

B. 1. a 2. b 3. c 4. b 5. a

C. 1. The process by reproduction.
2. Animals like lion after few days. 3. An egg has provides it with water. 4. Frogs lay their eggs grows into an adult frog. 5. Four stages or three stages. D. Do yourself

4. Adaptations in Animals

A. 1. habitat 2. fins 3. hump 4. arboreal 5. horns

B. 1. a 2. c 3. b 4. c 5. b

D. 1. Fish 2. Hen 3. Tortoise 4. Octopus

5. Our Food and Nutrition

A. 1. Right 2. Wrong 3. Right 4. Right 5. Right

B. 1. a 2. b 3. a 4. c 5. b 6. a

C. 1. Rice, Wheat 2. Butter, Ghee 3. Eggs, Pulses 4. Milk, Carrot 5. Tomato, Orange 6. Milk, Cheese

6. Teeth Structure and Digestion

A. 1. temporary 2. root 3. enamel 4. Canines 5. mouth 6. stomach

B. 1.b2.b3.a4.c5.a6.c

C. 1. Wrong 2. Wrong 3. Right 4. Right 5. Wrong

D. 1. Human beings and the permanent.

2. A tooth is basically called the neck.

3. Incisors, Canines, Premolars and Molars.

4. For healthy teeth our teeth strong.

5. The process by which the body through the anus.

6. Wash your hands interval of time.

E. Do yourself

7. Safety Rules

A. 1. Accidents 2. potholders 3. wet 4. pavement 5. hand signals 6. cold water

C. 1. Right 2. Wrong 3. Right 4. Right 5. Wrong 6. Right D. 1. Do not play to handle hot objects. 2. Do not leave you may fall down. 3. Do not run up fight with anybody. 4. Cross the road traffic light is red. 5. First aid is the doctor arrives. 6. Wash the cut adhesive bandage. E. Do yourself	geothermal energy B. 1.b2.b3.c4.a5.c6.c C. 1.d2.a3.f4.b5.c6.e D. 1. Force helps us
8. Clothes A. 1. good 2. Cotton 3. rubber 4. animals 5. silkworm	energy, chemical energy, heat energy, electrical energy, magnetic energy and sound energy.
 B. 1.a2.a3.c4.c5.c C. 1.d2.c3.e4.b5.a D. 1. We wear clothes rain and insects. 2. Some people wear called uniform. 	E. 1. Frictional Force 2. Mechanical Force 3. Gravitational Force 4. Muscular Force 5. Gravitational Force 12. Our Universe
3. Natural fibres and Man-made fibres. 4. Cotton is obtained from	A. 1. Right 2. Wrong 3. Wrong 4. Right 5. Wrong 6. Right B. 1. c 2. b 3. a 4. a 5. a 6. b C. 1. Stars are not
solvent. E. Do yourself 11. Force, Work and Energy A. 1. force 2. muscular force 3. simple	air. 4. Water pollution

B. 1.b2.b3.c4.a5.b6.b

machines 4. inclined plane 5. energy 6.

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Class-5

B. 1. b 2. c 3. a 4. c 5. a 6. c



SCIENCE NATURE-5

1. Growing Plants

A. 1. Wrong 2. Right 3. Right 4. Right 5. Wrong 6. Right

B. 1.b2.c3.b4.a5. c

C. 1.c2.b3.a4.e5.d

D. 1. Organisms produce more of their own kind by the process called reproduction. 2. Seeds with one cotyledon are called monocots. Seeds with two cotyledons are called dicots. 3. Germination is the process by which a plant grows from a seed. 4. Seeds of some plants are very light. They have special parts such as hair or wings like structure which help them to be blown around with the breeze or wind. 5. Winter crops are known as Rabi crops. Summer crops are known as Kharif crops. 6. The practice of growing plants on a large scale is called agriculture. Various stages of agriculture are: ploughing, sowing, adding manure and fertilisers, irrigation, protecting crops and harvesting and winnowing. E. Do yourself

2. Animals: Habitat and Adaptation

A. 1. Right 2. Right 3. Wrong 4. Wrong 5. Right 6. Right 7. Wrong

B. 1. c2. c3. a4. b5. a6. c

C. 1.c2.e3.f 4.a5.d6.b

3. Skeletal System and Muscular System

A. 1. organism 2. backbone 3. joint 4. pivot 5. movement 6. Voluntary

	et i. ine sheretar system 2. Vertesiae s.
	Femur 4. Ball and socket joint 5. Cardiac
	D. 1. The skeletal system of our
	body. 2. Bones are hard bone marrow.
	3. The different and girdles. 4. The
	point where two called ligaments. 5.
	Pivot joint movable joints. 6. There
	are three cardiac muscles.
:	E. Do yourself
	4. Nervous System
•	A. 1. Right 2. Wrong 3. Right 4. Right 5.
	Right 6. Wrong
:	B. 1.b2.a3.c4.a5.b6.b
:	C. 1.b2.d3.e4.c5.a
	D. 1. Our nervous system and the
	nerves. 2. The cerebrum is the
•	circulating blood. We have three
	from the brain. 3. Our brain reflex
	actions. 4. Our eyes to the brain.
	5. The ear has in the inner ear.
•	E. Do yourself
	5. Food, Health and Hygiene
	A. 1. Carbohydrates 2. Proteins 3. Calcium
	4. sleep 5. disease 6. Virus
	B. 1.b2.b3.c4.c5.c6.b
	C. 1. The food we eat and minerals.
	2. The food pyramid and healthy.

C. 1. The skeletal system 2. Vertebrae 3.

D. Do yourself

6. Safety and First Aid

that are deficiency diseases.

A. 1. Wrong 2. Right 3. Wrong 4. Right 5. Right 6. Wrong

B. 1.c2.b3.a4.c5.b6.a

C. 1. Always check	the brakes or
stones. 2. Never go n	ear in a boat.
3. If your clothes	put off fire.
4. A sprain occurs	swell up.
A fracture	move the part. $\overline{5}$.
Sit down	to a doctor, 6. Wash the

wound	and in watches. 5. When plants died
A. 1. e 2. d 3. b 4. c 5. a	12. Simple Machines
B. 1.c2.a3.b4.a5.a6.b	A. 1. rod 2. effort 3. levers 4. Pulley 5. wheel
C. 1. Right 2. Right 3. Wrong 4. Wrong 5.	6. fulcrum
Right	B. 1.b2.a3.c4.c5.c6.a
D. 1. The surface of the moon	C. 1. Simple machines
and valleys. 2. The moon has no on	A lever has three to be done. 3. In
the moon. 3. The moon changes	order to move called fulcrum. 4.
waning phase of the moon. 4. When the sun	A pulley is a heavy engines. 5.
partial lunar eclipse. 5. An	Fixed pulley to pull the load.
artificial satellite upon their	13. States of Matter
uses. 6. Uses of Satellites around	A. 1. Right 2. Wrong 3. Right 4. Right 5.
the world. E. Do yourself	Wrong 6. Wrong
<u>9. Soil</u>	B. 1.b2.c3.a4.a5.b6.a
A. 1. Soil 2. Clayey 3. living 4. deserts	C. 1. Matter contains 'building blocks
5. Deforestation 6. embankments	of matter'. 2. Matter exists in all
B. 1. a 2. b 3. c 4. b 5. a 6. b	directions. 3. A change in which no
C. 1. Our Earth's crust	of a bulb. 4. A change in
and animals. Soil is important	which new of food. 5. Solubility
fertility of soil. 2. Sandy, clayey and loamy. 3.	is the uniform nature. 6. Liquids
The upper layer is bedrock. 4.	that dissolve surface of water.
The removal of topsoil growth of	D. Do yourself
plants. 5. The factors cause soil	14. Natural Disasters
erosion. 6. Plant more and against	A. 1. a 2. b 3. a 4. b 5. b
winds. D. Do yourself	B. 1.c2.e3.a4.f5.b6.d
10. Rocks and Minerals	C. 1. tectonic 2. seismic 3. seismograph
A. 1.c2.e3.b4.f5.a6.d	4. crater 5. Active
B. 1.b2.c3.b4.a5.c6.c	D. 1. A natural disaster life and
C. 1. Wrong 2. Wrong 3. Wrong 4. Right 5.	property. 2. An earthquake seismic
Right 6. Wrong	waves. 3. Types of Volcanoes
D. 1. They are the earliest form igneous rocks. 2. When lava cools	extinct volcano. 4. Tsunamis are giant
foot scrubber. 3. The Earth's surface	along the coasts. 5. It is a type of
	as a hurricane.
canca seamentary rock. 4. State	E. Do yourself

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Class-6



SCIENCE NATURE-6

1. Food and its Sources

- **A.** 1. Fuel 2. Nutrients 3. Omnivores 4. Ingredients 5. Milk 6. Autotrophs 7. Scavengers
- **B.** 1. b 2. a 3. c 4. a 5. d 6. c
- C. 1. F2. T3. T4. F5. F6. T
- D. 1. The food provides energy and helps the body to grow and replace worn-out cells. 2. Non-vegetarians are the people who eat plant products as well as animal products such as meat, fish, etc. 3. The materials used to prepare any food item are called ingredients. 4. Parts of plants which can be eaten raw or in cooked form are called edible parts. 5. We make many products from milk, like butter, cheese, cream, curd and paneer. These products are called dairy products. 6. Scavenger is an animal that mainly consume dead bodies of animals. They help to keep the surroundings clean.

F. Do yourself

2. Components of Food

- **A.** 1. Carbohydrates 2. Sugars 3. Animal 4. Minerals 5. Nutrients 6. Hungry 7. Protein
- **B.** 1. a 2. c 3. d 4. d 5. b 6. a
- C. 1. e 2. b 3. a 4. c 5. d
- **D.** 1. The process by which living things obtain and use food is called nutrition. 2. Simple carbohydrates and complex carbohydrates. 3. Butter, cheese, cream, ghee, milk, eggs and meat are animal sources of fat. 4. Roughage is the substance in plant foods that our body cannot digest. 5. The daily intake of food which contains all the necessary nutrients in the right quantities is called a balanced diet.
- 6. Diseases caused by the lack of some nutrients in food are known as deficiency diseases.

3. Fibre to Fabric

- **A.** 1. fabric 2. Denim 3. cotton 4. twisting 5. wool, spun 6. synthetic
- **B.** 1. a 2. b 3. d 4. d 5. a 6. b 7. a
- **C.** 1. T 2. T 3. F 4. T 5. F 6. T 7. F **D.** 1. Clothes are needs. They

of cotton and humid weather. 5. Syntheic clothes are and humid climate. 6. Cotton is a soft the cotton plant. E. 1. Weaving is a process woven by this method. 2. In knitting a single or by machine. 3. The fibres are made is called spinning. A number of fibres twisting them together. 4. Jute is produced process is called retting. 5. The fibres of some examples of synthetic fibres. F. Do yourself 4. Sorting Materials into Groups	properties. 2. A mixture in which
A. 1. sorting 2. supermarket 3. material 4. translucence 5. soluble 6. smooth 7. volume B. 1. a 2. b 3. c 4. b 5. c 6. b 7. b C. 1. g 2. f 3. d 4. c 5. e 6. b 7. a D. 1. The bark of tree, rock and sand paper. 2. You feel different basis of their texture. 3. Cotton, wool and rubber ball. 4. In solids, silver conductors of heat. 5. Clothes, paper wool conductors of heat. E. 1. The method of grouping are stocked together. 2. Placing as sorting of different types. 3. If almost all a clear glass. If light can pass through dust-laden air. 4. Some materials are soluble are soluble in water. 5. You may have noticed bronze have lustre. F. Do yourself 5. Separation of Substances A. 1. sediments 2. filtration 3. distilled 4. apparatus 5. bullocks 6. immiscible 7. evaporation 8. temperature B. 1. c 2. a 3. a 4. a 5. c 6. a 7. a 8. c C. 1. T 2. F 3. T 4. T 5. F 6. F 7. F D. 1. d 2. f 3. b 4. e 5. c 6. a E. 1. A mixture is a physical	water to the cities. 4. Distillation is done

change. Burning of a candle	
vapour (new substances). 3. You have	
already solids on cooling. 4.	
Corrosion is another exposure	
to moisture. 5. You may have seen	
rails in summers.	

F. 1. Reversible 2. Condensation 3. Irreversible 4. Expansion 5. Contraction

7. Getting to Know Plants

- **A.** 1. herbs 2. aerial roots 3. internode 4. axillary buds 5. veins 6. ovules 7. tendrils
- **B.** 1. b 2. a 3. c 4. c 5. d 6. a
- **C.** 1. c 2. g 3. e 4. f 5. d 6. b 7. a
- **D.** 1. The roots spread prevent soil erosion. 2. In addition, there examples of climbers. 3. The stem of some by the leaves. 4. If you look carefully provide support. 5. Leaves of some weak climbers.

8. Body Movements

- **A.** 1. Skeleton 2. femur 3. slimy 4. bristles 5. vertebrae 6. single cell 7. tibia, fibula
- **B.** 1. b 2. a 3. d 4. d 5. c 6. a 7. a
- C. 1. F 2. T 3. T 4. F 5. F 6. T 7. T 8. F
- protect delicate internal organs. 2. The

ribs are thin, stomach and the kidneys. 3. Joints are of four main and forth or sideways. 4. Body movements are the bend and straighten the legs. 5. Snails have a soft body, which they can pull crawl on a variety of surfaces. **F.** Do yourself

9. The Living Organisms and their Surroundings

- **A.** 1. desert 2. tropical 3. Tundra 4. rainforest 5. submerged 6. migrate 7. climate
- **B.** 1. a 2. b 3. c 4. c 5. b 6. a 7. d
- C. 1. T 2. T 3. F 4. F 5. T 6. F 7. T
- E. 1. Some of the adaptations found and low height intensities. 2. The presence of specific is called adaptation. For example, a fish a camel in the desert. 3. Depending upon the living conditions goats, yaks, sheep and pines. 4. Some of the adaptations found enable them to float. 5. Camels are adapted to live in hot dry for walking on soft sand.
- F. 1. Habitat 2. Succulents
- 3. Xerophytes 4. Hydrophytes
- 5. Camouflage 6. Nocturnal

10. Motion and Measurement of Distances

- **A.** 1. measurement 2. linear 3. periodic 4. oscillatory motion 5. estimation 6. millimetre
- **B.** 1. b 2. b 3. c 4. a 5. d 6. b
- C. 1. d 2. e 3. f 4. c 5. a 6. b
- **D.** 1. There was a need called

standard units. 2. When an object
changes its position it is said to
be at rest. 3. The Earth rotates (rotational
motion) path (translational
motion). 4. The General Conference on
Weights in 1960. 5. When an
object moves to and fro as
oscillatory motion.
E. 1. In ancient times, people have to
travel to measure time. 2. In
taking measurement of a length,
error is called parallax error. 3.
A thread or a divider can
the distances between the arms. 4.
When a body moves in a
around a fixed point. F. Do yourself
11. Light, Shadows and Reflections
A. 1. sensation 2. luminous 3.
translucent 4. ideal mirror 5. parallel
beam 6. shadow 7. plane mirror
B. 1. a 2. c 3. b 4. a 5. b 6. c 7. c
C. 1. F 2. T 3. T 4. F 5. T 6. F 7. T
C. 1. F 2. T 3. T 4. F 5. T 6. F 7. T D. 1. You will notice that the
D. 1. You will notice that the path of light would be invisible. 2. The
D. 1. You will notice that the path of light would be invisible. 2. The objects that do not non-
D. 1. You will notice that the path of light would be invisible. 2. The objects that do not non-luminous objects. Such as a book, table,
D. 1. You will notice that the path of light would be invisible. 2. The objects that do not non-luminous objects. Such as a book, table, cricket ball and walls are the examples
D. 1. You will notice that the path of light would be invisible. 2. The objects that do not non-luminous objects. Such as a book, table, cricket ball and walls are the examples of non-luminous objects. 3. An optical
D. 1. You will notice that the path of light would be invisible. 2. The objects that do not non-luminous objects. Such as a book, table, cricket ball and walls are the examples of non-luminous objects. 3. An optical medium translucent or opaque.
D. 1. You will notice that the path of light would be invisible. 2. The objects that do not non-luminous objects. Such as a book, table, cricket ball and walls are the examples of non-luminous objects. 3. An optical medium translucent or opaque. 4. When light falls on we can
path of light would be invisible. 2. The objects that do not
path of light would be invisible. 2. The objects that do not
path of light would be invisible. 2. The objects that do not
path of light would be invisible. 2. The objects that do not
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path of light would be invisible. 2. The objects that do not
path of light would be invisible. 2. The objects that do not
path of light would be invisible. 2. The objects that do not

form of rays of images in a

pin-hole camera. F. Do yourself

12. Electricity and Circuits

- **A.** 1. transmission 2. filament 3. electric cell 4. terminals 5. incomplete 6. electric current 7. graphite
- **B.** 1. b 2. a 3. c 4. a 5. d 6. a
- **C.** 1. d 2. e 3. f 4. b 5. c 6. a
- **D.** 1. When we connect the two ends electric current is called electric circuit. 2. The electric circuit in which known as a closed circuit. 3. The electric circuit in is broken is called an open circuit. 4. A dry cell has two ends metal plate and is negative (–).
- E. 1. We use a variety of things in our on electricity are rather wide.

 2. The principle on which an them and torch will not glow. 3. Materials that allow an electric current which are insulators. 4. An electric cell is used electricity or electric current. There are some chemicals inside replaced by new cells. Secondary cells are the cells are also called rechargeable cells. They are mainly used in and car batteries.

 F. 1. Circuit 2. Current 3. Insulator 4. Switch 5. Filament 6. Cell

13. Fun with Magnets

- **A.** 1. directions 2. repels 3. magnetism 4. magnetic 5. weak 6. magnet
- **B.** 1. a 2. c 3. d 4. a 5. a 6. b
- C. 1. F 2. T 3. T 4. F 5. T 6. F
- D. 1. Any substance called a magnet. Magnets are found in Northern Greece called Magnesia. 2. Magnets are used to produce electricity. 3. In a bar or is the south pole. 4. Magnetite is a natural shapes and strength. 5. Besides iron, there are two other magnetic substances. 6. Wood and plastic are by a magnet.

E. 1. The most popular legend related place Magnesia or Magnes himself. 2. The instrument called a magnetic compass. A freely suspended magnet the Earth by travellers. 3. To keep them safe, bar magnets called magnetic keepers. 4. The important properties of magnets such as iron. 5. Credit cards, ATM cards and magnet to produce electricity. 6. When like poles of the two magnets
the magnets are facing each other.
F. Do yourself
•
<u> 14. Water</u>
A. 1. aquifers 2. frozen 3. water vapour
4. accumulation 5. population 6.
leakage 7. water 8. famine
B. 1. a 2. c 3. c 4. b 5. d 6. a 7. a
C. 1. T 2. F 3. T 4. T 5. F 6. T 7. T 8. F
D. 1. c 2. d 3. e 4. a 5. b 6. g 7. f
E. 1. About 71 per cent of the
known as the blue planet. 2. Water
occurs in all different
temperatures. 3. The various sources of
water on the earth are as follows:
rainwater, groundwater, surface water,
ocean water and frozen water. 4. Most
of the water of streams called
natural springs. 5. Some ways of water
conservation are: a. Avoid wastage of
water and recycle
absorption of water by soil.
F. 1. The state of water can be is
known as condensation. 2. The water in
sea, river, is called precipitation.
3. Utilising a resource carefully
become less useful. 4. One way of
'catch water where it falls'. 5.
The water level in ponds, is also
badly affected. 6 Surface runoff

harvesting: In urban areas, the rain

water improve the ground water

level. 7. The cyclic pattern in which is known as the water cycle.

G. Do yourself

15. Air Around Us

- **A.** 1. rustle 2. atmosphere 3. empty 4. combustion, electric bulbs 5. sunlight 6. dust particles 7. lungs 8. breathing
- **B.** 1. b 2. a 3. c 4. b 5. b 6. a 7. b 8. b
- **C.** 1. T 2. T 3. F 4. T 5. F 6. T 7. T 8. T
- **D.** 1. We can feel the presence fluttering when opened. 2. Atmosphere is a layer of gases becomes thinner and thinner. 3. Nitrogen, oxygen, carbon dioxide, water vapour, dust and smoke are the components of air. 4. Various human activities spoil the quality of air. 5. Take a burning candle and space in the glass occupied by air.
- **F.** 1. Atmosphere 2. Photosynthesis 3. Stomata 4. Breathing 5. Respiration 6. Pollutants 7. Water Vapour

16. Garbage in, Garbage out

- **A.** 1. wastes 2. naturally 3. management 4. recycled 5. plastic bags 6. electronic 7. biodegradable
- **B.** 1. d 2. c 3. d 4. a 5. c 6. a

D. 1. Waste that can be broken down	wood, utensils from metals, etc. 4. Some
dangerous for all living	tips for recycling paper are:
creatures. 2. The waste is collected by	from used or old newspapers. 5. Careless
the to make beneficial products.	disposal of plastic bags bad
3. Management of wastes especially	effect on people who breathe it.
non-biodegradable paper from	E. Do yourself

(Teacher Manual)

Class-7



SCIENCE-7

1. Nutrition in Plants

- **A.** 1. Macronutrients 2. Carbon dioxide 3. Leaf 4. Heterotrophic 5. Host 6. Dead
- B. 1.c2.a3.d4.b5.c6.a
- C. 1.T2.F3.T4.F5.F6.T
- D. 1. Materials which provide nutrition to organisms are called nutrients. 2. Two modes of nutrition are: Autotrophic nutrition and heterotrophic nutrition, 3. During photosynthesis, leaves convert carbon dioxide and water into glucose and oxygen, in the presence of sunlight. 4. Carbon dioxide enters the leaves through the tiny pores present on the lower surface of the leaves. These tiny pores are called stomata. 5. The upper part of the leaf is where the light falls, and it contains a type of cell called a palisade cell. 6. The mode of nutrition in which an organism takes food from another organism is called heterotrophic nutrition. 7. There are certain plants which live in association with other species and share their food resources these types of plants are called symbiotic plants.

trap their preys, which are live animals, usually insects. Suchnitrogen from the surroundings. F. Do yourself

2. Nutrition in Animals

- **A.** 1. Tongue 2. Holozoic nutrition 3. Pancreas 4. Bacteria 5. Muscles 6. Rumen
- B. 1.d2.b3.b4.c5.a6.b
- C. 1.T2.F3.T4.T5.F6.F
- **D.** 1. Ingestion is the process by which an organism takes in its food. 2. Majority of animals take food in the form of solids. This form of nutrition in which food is eaten in soiled is called holozoic nutrition. 3. The mouth contains tongue, teeth and salivary glands. Teeth break the food into smaller particles. This process is called mastication. 4. a. Brush your teeth thoroughly at least twice a day for two minutes each times. b. Use a dry brush for the first two minutes of cleaning. 5. The tongue mixes food with saliva and pushes it so that we can swallow it. 6. The pancreas secretes the pancreatic juice that changes starch into simpler sugars, and proteins into simpler compounds called amino acids. 7. Ruminants are hooved, plant - eating animals that digest their food in two steps. Some examples are cows, buffaloes, goats, sheep and bison.
- E. 1. The food you eat the form of faces. 2. Amoeba takes in food particles tongue to catch its prey. 3. Nutrition in humans is also is called digestive system. 4. For tearing,

F. 1. Digestion 2. Assimilation 3. Egestion 4. Mastication 5. Rumen 6. Villi

3. Fibre to Fabric

- **A.** 1. natural 2. herbivores 3. mohair 4. alpaca and llama 5. shearing 6. sliver 7. yarn
- B. 1.a2.b3.c4.a5.a6.c7.b
- C. 1.e2.f3.a4.b5.d6.c

E. 1. Wool is obtained from

- **F.** 1. Fleece 2. Pashmina 3. Shearing 4. Sericulture 5. Mulberry

an animal Silk is made of

proteins.

4. Heat and Sound

- **A.** 1. Celsius 2. Kelvin 3. freezing point 4. laboratory 5. Sound 6. digital, clinical 7. higher, lower 8. conductors 9. vibration
- B. 1.b2.c3.a4.c5.c6.a7.d8.a9.c
- C. 1.F 2.T 3.T 4.T 5.T 6.F 7.F 8. T 9.T

5. Acids, Bases and Salts

- **A.** 1. limestone 2. hydrochloric acid 3. caustic soda 4. constipation 5. litmus 6. indicator 7. acidic
- B. 1.a2.b3.c4.d5.a
- C. 1.d2.e3.f4.g5.b6.c7.a

- D. 1. The substances which are sour contain acids. There are three uses of acids: (i). Sulphuric acid is used in car and inverter batteries. (ii). Nitric acid is used in the manufacturing of explosives such as TNT(trinitrotoluene) and nitroglycerine. (iii). Hydrochloric acid is a part of the gastric acid in humans and many other animals, secreted within the stomach to help in digestion. 2. A base is a substance in skin, hair and nails. 3. Acids react with bases to produce water and salts. 4. Turmeric, litmus and China rose petals 5. When added to a basic solution, litmus turns blue.
- F. Do yourself

6. Physical and Chemical Changes

- **A.** 1. chemical change 2. curdling of milk 3. products 4. crackers 5. rusted iron 6. vinegar
- **B.** 1.b2.c3.d4.c5.b6.a
- C. 1. F2. T3. T4. F5. T6. T
- **D.** 1. Physical changes and chemical changes 2. Melting of butter and tearing of paper 3. Cooking of food and ripening of fruits 4. It is a chemical reaction iron to rust. 5. Physical changes involve shape, colour

- and state. 6. Chemical changes involvesimple physical methods.
- **F.** 1. Rusting 2. Evaporation 3. Crystals 4. Galvanisation 5. Reactant 6. Products

7. Weather, Climate and Adaptations of Animals to Climate

- **A.** 1. atmospheric 2. millimetres 3. torrid and frigid 4. penguin 5. Siberian cranes 6. canopy
- B. 1.a2.b3.b4.c5.b6.a7.d
- C. 1.c2.f3.b4.g5.h6.a7.e8.d
- **D.** 1. Weather experts use as weather forecasting. 2. Relative humidity is the of water vapour. 3. They are latitude, distance from the sea, ocean currents, direction of wind and humidity. Human activities also affect the climate. 4. The maximum and minimum temperatures. 5. Bharatpur in Rajasthan and Sultanpur in Haryana and some wetlands of north east and some other parts of India.
- E. 1. Weather is the daily several times a day. On the other hand, the climate refers of one year. 2. Polar bears are perfectly adaptive to live in the snow cold environment of the Arctic polar region (North Pole of the Earth). They have the following adaptations: (i). Polar bears have two thick a mile away (1.6 km). 3.

F. Do yourself

8. Soil

- **A.** 1. fungi and bacteria 2. weathering 3. earthworms 4. A-horizon 5. percolation rate 6. drainage and organic
- B. 1.c2.d3.b4.b5.a6.c
- C. 1. T2. T3. T4. F5. F6. T

9. Respiration in Organisms

- A. 1. nostrils 2. larynx 3. bronchioles, alveoli 4. breathing rate 5. respiration
 6. anaerobic respiration 7. carbon dioxide
- B. 1.b2.d3.a4.b5.b6.a7.c
- C. 1. Energy is released from digested food is called oxidation. 2. A process in living is called respiration. 3. Breathing involves the

- exchange of gases oxygen is called internal respiration. 4. Equation given on Page-89 5. nose, pharynx, trachea, bronchi and lungs.
- D. 1. Breathing is a continuous called exhalation. 2. Insects such as cockroaches and the smaller tubes. 3. Breathing is a physical process. Human beings cavity called diaphragm. 4. Sometimes during any physical activity such as relief from cramps. 5. Like other living organisms, plants also respire pore to take in oxygen.
- E. 1. Breathing 2. Diaphragm 3. Tracheae 4. Stomata 5. Bronchioles 6. Alveoli

10. Transportation in Animals and Plants

- **A.** 1. Amoeba and paramecium 2. heart 3. hemoglobin 4. WBCs 5. kidneys 6. vascular system 7. translocation
- B. 1.a2.c3.a4.c5.b6.d7.c
- C. 1. T2. T3. T4. F5. T6. F7. F
- **D.** 1. In multicellular organisms, the cell in the body. 2. Red Blood Cells (RBCs), White Blood Cells (WBCs) and platelets are three types of blood cells. 3. Right auricle, left auricle, left ventricle and left auricle. 4. Urine consists of 95% water, 2.5% urea and 2.5% other waste products. 5. The inside of the heart is divided into four chambers. These chambers are separated by a wall of muscle called septum.

rid of them. The excretory system
out of the body. 4. There are
three types of blood cells: Red Blood
Cells (RBCs): Red blood
prevent blood loss. 5. The heart is a fist-
sized muscular organ
becomes oxygenated again. 6. Leaves
make food called sieve tubes.

F. Do yourself

11. Reproduction in Plants

- **A.** 1. asexually 2. single cell 3. tissue culture 4. reproductive 5. pistil, ovary 6. nectar 7. embryo
- B. 1.b2.a3.c4.d5.c6.c7.a

12. Time and Motion

- A. 1. F2. F3. T4. F5. T6. F
- **B.** 1, c2, a3, c4, d5, d6, a
- C. 1. Time is important part of our life. 2. Measurement is the same kind. 3. Sand clock, sundial and water clock. 4. The time taken the pendulum. 5. If the speed in uniform motion.

- E. 1. Motion 2. Odometer 3. Quartz 4. Speedometer 5. Oscillation

13. Electric Current and its Effects

- A. 1. T2. T3. T4. F5. T6. F
- B. 1. a 2. c 3. d 4. a 5. b 6. a

- E. Do yourself

14. Light

- **A.** 1. incident 2. reflected 3. incidence 4. plane mirrors 5. Convex 6. spectrum
- B. 1.a2.b3.c4.b5.d6.b

D. 1. When light falls a	2 T
and the control of th	
straight line. Activity. 2. An image	
formed on a plane mirror	impo
in front of it. 3. Sir Isaac Newton, a great	the p
scientist who lived in the seventeenth	hous
century, yellow, orange	F.
and red. 4. Do yourself. E. Do yourself	Infile
15. Water: A Precious Resource	
A. 1. human body 2. agriculture 3.	Α.

- **A.** 1. human body 2. agriculture 3. temperatures 4. surface water 5. hand pumps, tube wells 6. water scarcity 7. photosynthesis
- **B.** 1. d2. b3. c4. b5. a6. b7. a
- C. 1.b2.d3.e4.c5.a

- **F.** 1. Depletion 2. Groundwater 3. Infiltration 4. Salinity 5. Aquifer

16. Forests: Our Lifeline

- **A.** 1. crowns 2. canopy 3. forest floor 4. ecosystem 5. soil 6. carbon dioxide
- B. 1.b2.a3.b4.d5.b6.c

(Teacher Manual)

Class-8



SCIENCE NATURE- 8 1. Crop Production and

Management

- **A.** 1. Agriculture 2. Crop 3. Rabi 4. Loosening 5. Transplantation 6. Fumigated 7. Pisciculture
- **B.** 1. c2.a3.b4.c5.d6.b
- C. 1. T2. F3. T4. F5. T6. F
- **D.** 1. The branch of science that deals with growing plants and raising livestock for human use is called agriculture. 2. When a large number of plants are grown at same place for food, is called a crop. 3. When agriculture practices are carried successfully by using old or modern tools, these are known as farming implements. 4. Soil anchors the roots of plants, provides nutrients and water to them, and also provides oxygen to the roots.5. The instrument used for ploughing is called a plough.
- F. Do yourself
 - 2. Microorganisms: Friend and Foes
- A. 1. Microorganisms 2. Bacteria 3. Protozoa 4. Algae 5. Lactose 6. Fermentation 7. Diseases

- **B.** 1. a 2. c 3. b 4. d 5. d 6. a 7. b
- C. 1. F 2. T 3. T 4. T 5. T 6. T 7. T 8. T
- D. 1. Long ago, in 167, Anton van Leeuwenhoek, a Dutch are also known as microbes. 2. The study of microorganisms is known as microbiology Scientists who study microorganisms are known as microbiologists. 3. Microbes can be classified widely into bacteria, protozoa, fungi, algae and viruses. 4. Viruses are the microscopic and most primitive organisms known to man. 5. The process by which a microbe breaks down carbohydrates to form acid or alcohol and carbon dioxide is called fermentation. 6. Pathogens enter our body through air we breathe, the water we drink and the food we eat.
- form alcohol. 5. Microorganisms in agriculture increase soil fertility. Some increase soil fertility. 6.

Viruses contain pathogenshepatitis and many more. 7. Some simple methods of limitinggiven to the patient.

- F. 1. Microbiology 2. Antibiotics
- 3. Carriers 4. Fermentation
- 5. Lactobacillus 6. Pathogens
- 3. Materials: Metals and Non-Metals
- A. 1. electricity 2. metallic lustre

3. malleable 4. hammering 5. copper 6. kerosene 7. rust proofing B. 1. a 2. c 3. b 4. d 5. a 6. c 7. b C. 1. T 2. F 3. F 4. T 5. T 6. T 7. F D. 1. All materials are	temperature
4. Combustion and Flame A. 1. b 2. e 3. f 4. g 5. c 6. d 7. a B. 1. c 2. b 3. c 4. b 5. d 6. a 7. a	trunks. 7. Replanting of newis also called afforestation.
C. 1. Combustion is defined as the carbon dioxide. 2. A substance that burns in air (oxygen) to produce heat	E. 1. Every component of biodiversity serves force of wind and water.2. Deforestation has the following

Tamil Nadu, Kerala and Karnataka). 5. In the Red Data Book, species are classified threat of extinction. 6. Due to illegal trade is called poaching. 7. There are three levels of endangerment- threatened, called vulnerable species. F. Do yourself

6. Cell- Structure and Functions

- **A.** 1. transparent, colourless 2. storage 3. nerve cell 4. cytoplasm 5. chromosomes 6. prokaryotic 7. dictyosome
- **B.** 1. a 2. b 3. b 4. d 5. c 6. a 7. a 8. b
- **C.** 1. T 2. T 3. T 4. F 5. T 6. T 7. F
- E. 1. In 1838, two German biologists interaction of its cells. 2. Robert Hooke was the first appearance of a honeycomb. 3. Cells exist in different shapes. They may be flat, function it performs. 4. Based on the type of nucleus, a cell examples of prokaryotic cells.
- **F.** 1. Mitochondria 2. Vacuoles 3. Organelle 4. Cytoplasm 5. Dictyosome 6. Plastids 7. Genes

7. Reproduction in Animals

- **A.** 1. gametes, zygote 2. embryo 3. external 4. reproductive system 5. scrotal sac 6. sperms, vagina 7. ovum, oviduct
- **B.** 1. b 2. c 3. a 4. b 5. a 6. d 7. a 8. c
- **C.** 1. c 2. d 3. a 4. f 5. g 6. e 7. b
- **D.** 1. The process by which an organism is able to produce more of its own kind is known as reproduction. 2. Reproduction is very important

- F. Do yourself

8. Reaching the Age of Adolescence

includes a pair of testes. They are

- **A.** 1. sexual maturity 2. adolescence 3. puberty 4. female 5. thyroxin 6. diabetes 7. menstruation
- **B.** 1. a 2. b 3. c 4. d 5. a 6. b 7. c

..... the female's body.

- **C.** 1. T 2. F 3. T 4. F 5. T 6. T 7. T

nutrition, proper exercise and rest,	called the force of friction. 2. When you push a heavy box, it does not
nuisance, minimum 4. machinery,	our ears are sensory organsregister the sound. 3. Quality or timbre
automobiles 5. steel, steel surfaces 6.	describes those characteristics of
streamlined 7. Gymnasts 8. machines	in their waveforms. 4. Stringed
B. 1.b2.a3.b4.c5.c6.a7.b8.b	instruments: They are instruments in
C. 1.F2.T3.T4.F5.T6.T7.T8.F	which violin and sarod. Wind

instruments: They are instruments in

D. 1. Roll a ball on the

which	reflection, <=i= <r. 3.="" a="" main="" of="" periscope<="" td="" the="" use=""></r.>
 B. 1.a2.b3.c4.d5.a6.b7.b8.c C. 1.T2.T3.F4.T5.F6.F7.T8.F D. 1.Reflection is defined 	shining across the sky. 2. A comet is a celestial body which
polished surface. 2. First Law of Reflection: The incident ray,	there is a large gap between the orbits asteroid is Ceres (diameter

1000 km). 3. The moon appears to change	6. Water which is fit for drinking is called potable water. F. 1. Air pollution can result from
15. Pollution of Air and Water A. 1. smoke, carbon monoxide 2. eutrophication 3. Ganga 4. pollutants 5. gasoline 6. greenhouse 7. industrial effluent 8. 1985 B. 1. a 2. d 3. b 4. b 5. b 6. a 7. c 8. b C. 1. b 2. c 3. e 4. d 5. a D. 1. T 2. F 3. T 4. T 5. F 6. T 7. F 8. T E. 1. Air pollution occurs when humans, animals and plant. 2. suspended particulate matter. It consists of hand is a reminder	
marble of the Taj Mahal. 4. Carbon dioxide and methane 5. Boiling and addition of chlorine tablet	G. 1. Pollution 2. Lead 3. Chlorination 4. Pollutants 5. Smog