



Science & Society

A Dual Approach to
Science and Social Science



GRADE
2



- D. 1. We obtain food, fibres, wood, oil, paper, gum, rubber, medicines, sugar, tea, coffee and perfumes.
 2. We use fibres to make cloth, ropes, sacks and mats.
 3. Five things made of wood are pencils, door, windows, bats and furniture.
- E. 1. All kinds of flowers are not used to make perfumes because all are not sweet-smelling.
 2. Three things made from plants which we take with us to school everyday are pencils, our clothes and food.

F.

P	I	N	E	A	P	P	L	E	I	K
U	W	H	E	A	T	T	C	F	R	P
L	B	A	S	S	O	K	O	R	I	N
S	E	A	P	P	L	E	C	Y	C	G
C	A	U	L	I	F	L	O	W	E	R
O	N	N	T	N	O	S	N	N	B	A
R	S	A	W	A	L	N	U	T	S	P
N	I	N	E	C	N	S	T	Z	Q	E
B	C	A	S	H	E	W	N	U	T	S

- | Fruits | Nuts | Vegetables | Foodgrains |
|--------------|--------------|----------------|------------|
| 1. grapes | 4. cashewnut | 7. cauliflower | 10. wheat |
| 2. pineapple | 5. walnut | 8. beans | 11. rice |
| 3. apple | 6. coconut | 9. spinach | 12. corn |

- G. ★ I do not tear out pages from my exercise books.
- ★ I write on both sides of paper.
- ★ I reuse paper bags.
- ★ I buy greeting cards made of recycled paper.
-

3. Gifts from Animals

Exercise

- A. 1. (b); 2. (c); 3. (a); 4. (b).
- B. 1. T; 2. F; 3. F; 4. T.
- C. 1. Buffaloes and cow are two farm animals.
 2. Meat of Chicken, buffalo, sheep, goat and pig is eaten by people.
 3. Sarees, shirts and scarves are made from silk.
 4. We should treat animals with gentleness and kindness.
- D. Virat's grandparents have kept cows, buffaloes, goats, hens and ducks at their farm.

- E. Do it yourself.
- F. Do it yourself.
- G. ❖ If you have a dog as a pet, you will feed it **YES**.
 ❖ If you have a cat as a pet, you will feed it **YES**.
 ❖ If you have a parrot as a pet, you will feed it **YES**.
- H. 1. Two little dicky **(birds)** **sitting** on a wall.
 2. Hickory Dickory Dock, the **(mouse)** **ran** up the clock.
 3. Higgledey Piggledy, my black **(hen)**
 She **lays** eggs for gentlemen.
 4. Baa, baa, black **(sheep)**, **have** you any wool?



4. Bones and Muscles

Exercise

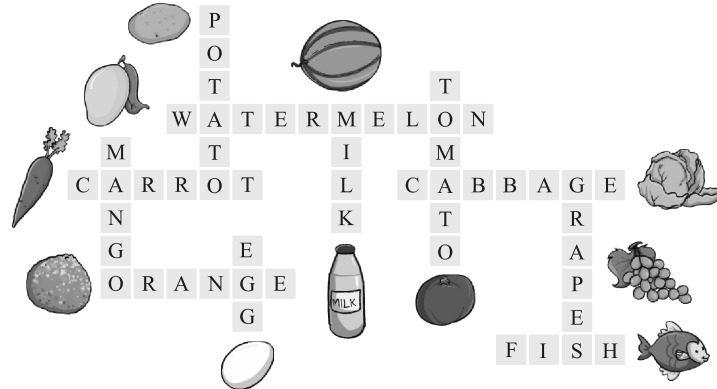
- A. 1. (c); 2. (b); 3. (c).
- B. 1. F; 2. F; 3. F; 4. T; 5. F.
- C. 1. Bones and muscles are useful as they help us to work and play.
 2. Bones and muscles help a person to lift weights.
 3. We can make our muscles strong by exercising.
 4. The posture is the position in which we hold our body when we sit, stand or move.
 5. The importance of a good posture is that it gives a proper shape to our body, helps all the parts of our body to work properly and makes us look smart.
- D. 1. We should play football, and not ludo, to make our muscles strong because in football, our body gets good physical exercise.
 2. While studying, Roy is bending forward which may cause him backpain. So he should sit straight to avoid this problem.
- E. Do it yourself.
- F. 1. **w e i g h t l i f t i n g**
 2. **c y c l i n g**
 3. **b a s k e t b a l l**
 4. **s w i m m i n g**
 5. **h o c k e y**
- G. Do it yourself. H. Do it yourself.



5. The Food We Eat

Exercise

- A. 1. (b); 2. (a); 3. (c).
- B. 1. (b); 2. (a); 3. (d); 4. (c).
- C. 1. We need food to grow and stay healthy.
2. Energy is used to work and play.
3. We should wash our hands and rinse our mouth before and after meals.
4. We should not eat junk food because they are harmful for our teeth and our health.
- D. 1. Navya is feeling tired after playing as she has used up energy. So she should have juice to gain energy.
2. Arpan has idlis for breakfast which is a healthy food whereas Shivam's breakfast is noodles, a junk food, which is unhealthy.
- E. Do it yourself. F. Do it yourself.
- G. Do it yourself. H. Do it yourself.
- I.



6. Safety First!

Exercise

- A. 1. (b); 2. (c); 3. (a).
- B. 1. zebra; 2. moving; 3. careful; 4. safe.
- C. 1. Two safety rules to be followed in a moving bus are as follows :
(a) Never try to get into a moving bus.
(b) Never get off a moving bus.

2. Two safety rules to be followed while swimming are as follows :
 - (a) Never swim alone.
 - (b) Do not swim just after meals.
 3. If you get hurt, tell, your elders. They will help you.
- D.** While playing in a park, we should not climb a tree or hang from its branches because we may fall down.
- E.** Do it yourself.
- F.** ❖ Cross a road at the **zebra** crossing.
 ❖ Do not get out of a **moving** bus.
 ❖ Red light means **stop**.
 ❖ Yellow light means **wait**.
 ❖ Green light means **go**.
 Also, fill the colours in the traffic light.
- G.** Do it yourself. □

7. Air Everywhere

Exercise

- A.** 1. (b); 2. (c); 3. (c).
- B.** 1. T; 2. F; 3. T; 4. F.
- C.** 1. air, 2. smoke, dust; 3. cover; 4. wind;
5. fast, strong

D.



breeze



wind



storm

- E.**
1. People, animals and plants need air.
 2. Air contains water vapour, smoke, dust and germs.
 3. Moving air is called breeze.
 4. Three ways in which wind helps us are :
 - (a) It dries clothes on a clothesline.
 - (b) It makes a sailboat move on water.
 - (c) It carries seeds of plants to new places. This way the new plants get more space to grow.
 5. Storms are harmful as they damage houses, trees, crops and animals.
 6. The weather cock is used to find out the direction in which the wind is blowing.

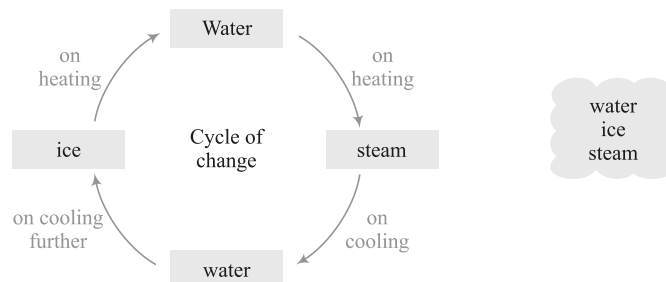
- F. 1. In the rainy season, wet clothes take a long time to dry because water takes a long time to change into water vapour.
2. We must stay indoors when a strong wind blows because we may get hurt by flying objects.
- G. Do it yourself.
- H. Do it yourself.
- I. 1. YES; 2. YES; 3. NO; 4. NO.
- J. Who has **seen** the wind? **been**
Neither I nor you;
But when the leaves hang trembling **hut**
The wind is passing through.
Who has seen the wind?
Neither **you** nor I; **mo**
But when the trees bow down their **heads** **beds**
The wind is passing by.
- K. Do it yourself.



8. Water for All

Exercise

- A. 1. (b); 2. (c); 3. (b).
B. 1. T; 2. T; 3. T; 4. F; 5. T.
C. 1. (b); 2. (a); 3. (d); 4. (c).
D.



- E. 1. Three sources of water are rain, rivers and wells.
2. It is not safe to drink water from a pond because may have impurities, dirt and germs mixed in it.
3. Different uses of water are drinking, bathing, cooking food, washing clothes and utensils.
4. On cooling, water changes into ice.

5. The sun's heat changes water in ponds, lakes, rivers and seas into water vapour. This water rises up in the air and cools down to form clouds.

- F.** 1. We should bathe with a bucket of water instead of a shower as this way, less water is used.
 2. In the winter season, we see water droplets on grass and leaves as water vapour present in the air cools down to form water droplets.

G.

A	B	R	G	F	R	O	P	Q	T	R	O
C	W	A	T	E	R	F	A	L	L	A	C
D	W	E	L	L	I	E	D	J	E	I	E
P	O	N	D	E	V	S	E	K	K	N	A
E	I	O	U	V	E	R	J	S	E	A	N
H	O	J	G	K	R	C	N	M	U	V	Z
S	P	R	I	N	G	U	Y	F	C	L	S

H. Do it yourself.

I. Do it yourself.



9. Sun, Light and Shadow

Exercise

- A.** 1. (c); 2. (b); 3. (a).
B. 1. (e); 2. (a); 3. (d); 4. (b); 5. (c).
C. 1. The sun gives us heat and light.
 2. We do not feel very hot on a cloudy day as the sun's rays do not reach us.
 3. A shadow is formed when light cannot pass through an object.
 4. Our shadow is long in the morning and evening.
D. We should wear loose and light coloured clothes on warm days so as to remain cool.
E. Do it yourself.
F. Do it yourself.



10. Going to the Moon

Exercise

- A. 1. Man landed on the moon in the year 1959. (○)
2. There is no life on the moon. (☾)
3. Kalpana Chawla went into space in 1997. (☾)
4. Sunita Williams stayed in space for two months. (○)
- B. 1. air; 2. water; 3. life; 4. Kalpana Chawla.
- C. 1. (d); 2. (a); 3. (b); 4. (c).
- D. 1. The three astronauts who went to the moon in 1969 were Neil Armstrong, Edwin Aldrin and Michael Collins.
2. The astronauts went to the moon on a rocket.
3. There are no trees, animals or people on the moon because there is no air to breathe and no water to drink.
4. Four countries have successfully landed on the moon.
- E. 1. We cannot live on the moon because it has no air or water.
2. We cannot see the moon during the day due to the bright light of the sun.
- F. Do it yourself. G. Do it yourself.
H. Do it yourself. I. Do it yourself.



11. Rocks and Minerals

Exercise

- A. 1. (a); 2. (b); 3. (c).
- B. 1. DIAMOND; 2. MARBLE; 3. GRAPHITE;
4. SLATE 5. COAL
- C. 1. Marble and sandstone.
2. Sandstone and granite.
3. China clay.
4. Marble.
- D. 1. Slate is used to make the roofs of some houses.
2. Two uses of diamond are to make beautiful jewellery and to cut glass.
3. Talc is the softest mineral.

- E. 1. Coal is a black coloured soft rock. It cannot be used to write on blackboards because we won't be able to see anything.
2. We cannot use chalk to make the lead of pencils because it is not hard enough.

F. Do it yourself.

G. Do it yourself.

- H. 1. NO; 2. YES; 3. YES; 4. YES; 5. NO.

I.



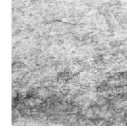
Circle



Triangle



Rectangle



Square



Section II : Social Science

12.

Our Family

Exercise

- A. 1. love 2. parents 3. father 4. clean 5. carrom
B. 1. There are four members in Shivam's family.
2. A family which has children and only one parent, either father or mother.
C. Single-Parent
D. 1. Nuclear 2. Large 3. Joint
E. Do it yourself.



13.

Our Clothes

Exercise

- A. 1. (a) 2. (b) 3. (b) 4. (a)
B. 1. Clothes keep us safe from heat and cold.
2. In summer we wear cotton clothes because they keep us cool.
3. Postman and Lawyer.
C. Do it yourself.
D. 1. S A R E E 2. F R O C K



14. Our Homes

Exercise

- A. 1. safe 2. caves 3. kachcha
4. flat 5. big 6. caravan
- B. 1. Pucca houses are made of bricks, wood, steel and cement.
2. A multi-storey building has many floors and each floor has many flats.
It is found in large cities.
3. Houseboat is a floating house.
- C. Do it yourself. D. Do it yourself.
- E. Do it yourself.
- F. 1. SHED 2. STABLE 3. HIVE 4. HUTCH



15. Our School

Exercise

- A. 1. LIBRARY 2. TEACHERS
3. PLAYGROUND 4. ASSEMBLY HALL
5. COMPUTER
- B. 1. F 2. T 3. T 4. F
- C. 1. Assembly hall is used for morning assemblies and school functions.
2. We read books in library.
3. We go to the music room to learn music.
4. We should play games to stay healthy.
- D. Do it yourself.
- E. Do it yourself.
- F. Do it yourself.



16. Our Neighbourhood

Exercise

- A. 1. neighbours 2. hospital 3. post office
4. shop 5. clean
- B. 1. (c) 2. (d) 3. (b) 4. (a)

- C. Do it yourself.
- D. 1. TEMPLE 2. GURUDWARA 3. MOSQUE
4. CHURCH
- E. Do it yourself.
- F. 5 6 3 4 2 6 7 1
G O D I S O N E
- G. Do it yourself.
- H. Do it yourself.



19. Our Earth

Exercise

- A. 1. (a) 2. (b) 3. (a)
- B. 1. T 2. F 3. T 4. F
- C. 1. The three things present on the Earth are air, water and land.
2. The place where the land is higher is called a hill.
3. Crops are grown in the plains.
4. A valley is the land between two hills or mountains.
- D. Do it yourself.
- E. hill 2 mountain 1 plain 3
- F. Do it yourself.
- G. Do it yourself.



20. Different Seasons

Exercise

- A. 1. heaters 2. winter 3. monsoon 4. spring 5. Autumn
- B. 1. (b) 2. (e) 3. (d) 4. (c) 5. (a)
- C. 1. There are three main seasons in India summer, monsoon and winter.
Spring and autumn are two more short seasons.
2. People use coolers, fans and air conditioners to stay cool in summer.
3. People use heaters and light fires to stay warm in winters.
4. People carry an umbrella when they go out in the rain.

- D. Do it yourself.
E. 1. (a) 2. (b) 3. (a) 4. (b) 5. (a)
F. Do it yourself.



21. Time and Directions

Exercise

- A. 1. at night 2. shadow 3. east 4. compass
B. 1. When the Sun is high up in the sky, it is noon.
2. In earlier time, people could tell the time by looking at the position of the sun.
3. The four main directions are East, West, north and south.
4. The needle of the compass always points to the north.
C. Priya's house faces the north.
D. Do it yourself.



22. Different Means of Transport

Exercise

- A. 1. a bicycle 2. train 3. Camel 4. boat
B. 1. b i c y c l e 2. a u t o r i c k s h a w
3. c a r 4. b u s
C. 1. Many means of transport are used to travel within a city such as auto-rickshaw, motorcycles, cars, metro trains etc.
2. Mules, Elephants and Camels are used as means of transportation.
3. When people want to travel long distances in short time they use air transport.
4. People use ships to send goods from one country to another.
D. TRUCK
E. 1. L 2. L 3. W
4. A 5. A 6. W
F. Do it yourself. G. Do it yourself.

