**Chapter 5**

 **Bricks and Bridges**

1. The teacher should ask the students to write what kind of house do they live in and make a list of materials that have been used to make their house.
2. The student should see in his surroundings and see if there is any bridge there and also note the type of bridge
3. Differentiate between a temporary house and permanent house.
4. Where did Lokhan live?
5. Fill in the blanks

 Help Box

Mould, temporary, engineer, rainfall, Tempering, Cantilever, baking, bridge

1. \_\_\_\_\_\_\_\_\_\_ houses like huts, tree houses, cabins are built with mud, thatch, straw, bamboo and wood.
2. Lokhan’s village receives heavy \_\_\_\_\_\_\_\_\_.
3. \_\_\_\_\_\_\_\_\_\_\_\_ is when clay is mixed with water to make dough.
4. The bricks are arranged in kiln for \_\_\_\_\_\_ which makes brick strong.
5. \_\_\_\_\_\_ help in easy movement of people, goods and vehicles.
6. \_\_\_\_\_\_\_\_\_\_ bridge support the load through diagonal bracing.
7. Lokhan decided to become an \_\_\_\_\_\_\_\_\_ and design some wonderful bridges.
8. In moulding a lump of mixture is taken, rolled in sand and put in a metal \_\_\_\_\_.
9. Multiple choice question
10. Which of the material is not used for permanent house?
11. Cement b) bricks c) Thatch
12. Which is a temporary house?
13. Bungalow b) hut c) flats
14. Which bridges were earlier made of wood and rope and now are made of steel?
15. Suspension b)Cable –stayed c) Moveable
16. Seeing the modern methods and materials Lokhan decided to become a
17. Engineer b) weight –lifter c) manager
18. \_\_\_\_\_\_\_\_ bridge often uses truss(tie –up) formations both below and above the bridge
19. Cantilever b) Cable –stayed c) Suspension.
20. Why did Lokhan parents had to repair their hut regularly?
21. What kind of bridge did Lokhan and his father had to cross to come to construction site?
22. What is the purpose of constructing bridges?
23. Name the kind of bridge found in following places
24. On River Ganga in Rishikesh
25. On River Hoogli in Kolkata
26. Bandra Sea Link in the Arabian Sea in Mumbai
27. Rajamundry Railway Bridge on River Godavari
28. How Ali crossed the river in his young days to go to other side?
29. What were the different building materials shown to Lokhan at construction site?
30. What did Lokhan wanted to know from Ali?
31. What was being made at the construction site Ali was working?
32. Complete the flow chart about the steps of brick making

Mining-Clay is mined and stored in open to make it soft and remove unwanted oxide

Firing-The bricks are arranged in kiln for baking which makes the brick strong

1. What is flyover?
2. Which pictures were shown to lokhan by Aayan?
3. How is suspension bridge different from cantilever bridge? State the location of these bridges in India.
4. What kind of bridge is Bandra sea link? How is it different from Howarh bridge?
5. Complete the given table

|  |  |  |  |
| --- | --- | --- | --- |
| S.N | Name of bridge | Location of bridge | Type of Bridge |
|  1 | Rajamundry railway |  | Truss |
|  2 |  | Rameshwaram | Movable |
|  3 | Gandhi Setu |  |  |
|  4 |  | Rajahmundry |  |

1. On the political map of India Mark the following
2. State has metro
3. State that has truss bridge
4. State that has cantilever bridge
5. State that has movable bridge.

  **Chapter 6**

 **Waste Management**

1. The students shall carefully observe their surroundings and make a list of the waste that is being thrown out and also state whether the waste is biodegradable or non bio degradable.
2. Ram was walking down the road he saw that the on the side of road green and blue dustbins were fixed , he was perplexed and asked his father why two type of bins had been fixed one bin could be used to collect the waste. State the answer his father would have given him.
3. Our honourable Prime Minister has started the ‘Swatch Bharat’. Write a paragraph on this program
4. Fill in the blanks

 Help Box

Human beings, Urinate, Compost, Recycle, Non-biodegradable, biodegradable, Garbage, hazard

1. Most of the garbage seen around is created by \_\_\_\_\_\_\_\_\_\_\_.
2. The garbage has become a \_\_\_\_\_\_\_ for human beings.
3. \_\_\_\_\_\_\_\_ also causes foul smell.
4. Dry leaves, vegetable and fruit peel, egg shells are \_\_\_\_\_\_\_\_\_\_\_\_ waste
5. \_\_\_\_\_\_\_\_\_\_ waste cannot be converted into harmless substance.
6. \_\_\_\_\_\_ means separating usable materials from waste and converting them into new products.
7. The different ways of disposing waste are landfills, burning the trash and making \_\_\_\_\_\_\_\_.
8. Each and every person must take care not to litter, spit or \_\_\_\_\_ in open spaces.
9. Multiple choice questions
10. Which of them is not bio-degradable waste?
11. Plastic bottles b) Vegetable peel c) dry leaves
12. How does recycling protect the environment?
13. It reduces the waste b) it increases the pollution c) it reduces energy
14. What are different methods of disposing waste?
15. Landfills b) burning of trash c) both
16. Which of them is not a method to reduce waste?
17. Carry a plastic bag while shopping b) Compost bio degradable material c) Use energy efficient light bulbs
18. Differentiate biodegradable waste from non- biodegradable waste.
19. What is the disadvantage of landfill?
20. People should be encouraged to construct toilets in rural areas, why?
21. Who are responsible for creating waste on the earth?
22. What has lead to steady increase of garbage in recent times?
23. How is the garbage hazardous to human beings, animals, birds and the environment?
24. Give 2 examples of each
25. Biodegradable waste
26. Non-biodegradable waste
27. Waste that can be recycled
28. Disease caused due to waste in the surrounding
29. How does recycling help in protecting the environment?
30. How can compost be made from waste? State the use of compost.
31. In rural areas the waste is used to make biogas, how?
32. Make a list of substance that can be recycled in your house and school.
33. Govt is continuously advising people not to burn plant waste in order to dispose, why?
34. Suggest 4 steps in your school by which waste produced in school can be reduced.
35. Why should the waste produced should be reduced and recycled?
36. Write slogans to reduce waste.
37. Students should form environment club in the school and make a list of activities that the club shall undertake to reduce the output of waste and the proper disposal of waste takes place.
38. The teacher should ask every student to make one decorative item of waste material and state the material used.