

Chapter 11: Our Home and Environment

TRY THIS [PAGE 51]

Try This | Q 1 | Page 51

What materials are used for building houses?

SOLUTION

Materials such as bricks. cement. iron. wood. waler, rubble. glass. sand. floor tiles. roof tiles. tin sheets. etc. are used for building houses.

Try This | Q 2 | Page 51

Compare any two types of houses that you saw and note down the differences.

SOLUTION

Generally. houses in villages are built by using materials like bricks, roof tiles. tin sheets. etc. Houses in cities are built by using materials like bricks. cement. iron. floor tiles. rubble. glass. sand. roof tiles, etc.

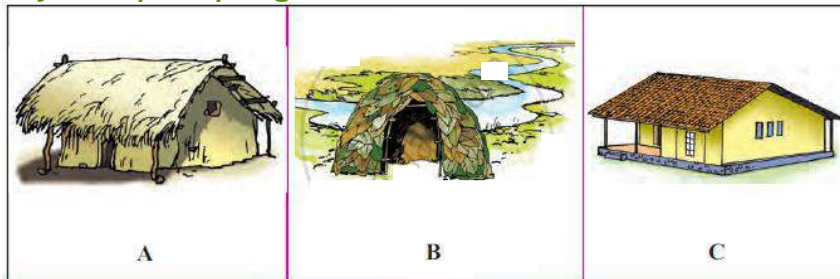
Try This | Q 3 | Page 51

What are the different things from which a house gives us protection?

SOLUTION

A house protects us from the sun, the wind, the cold and the rains. It also protects us from wild animals and keeps us safe from anti-social elements.

Try This | Q 4 | Page 51

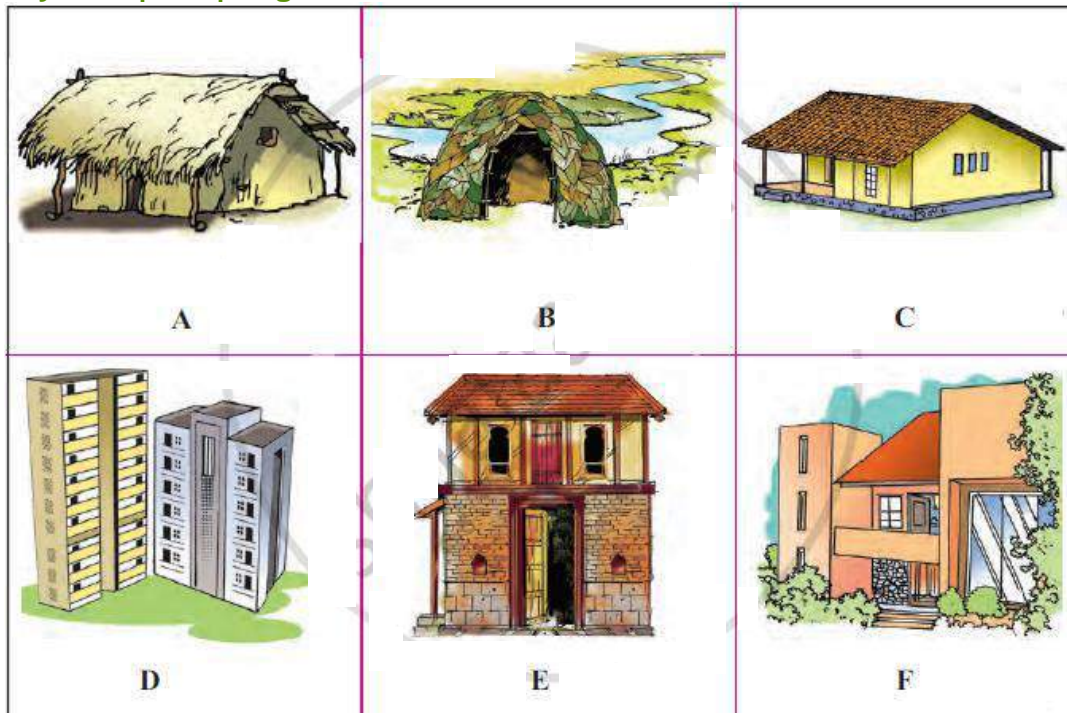


In what way are the houses 'A', 'B' and 'C' different? Which of them appears to be the safest?

SOLUTION

The house 'A' is made up of clay and mud. The house 'B' is made up of leaves and sticks. The house 'C' is made up of cement, bricks. rubble and roof tiles. The house 'C' appears to be the safest.

Try This | Q 5 | Page 51

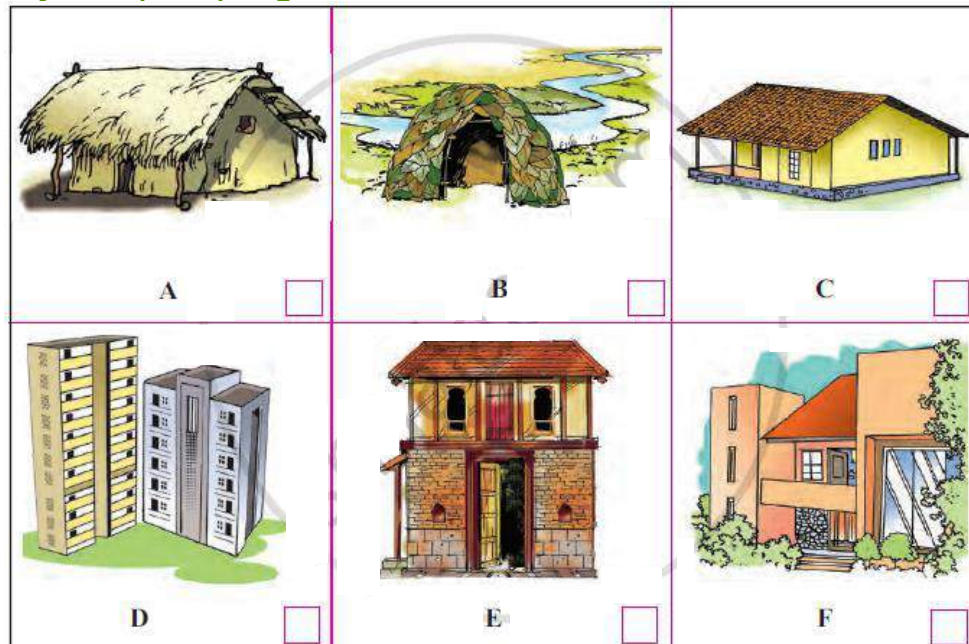


Which of the above houses are mainly seen in cities? Which are seen mainly in the rural areas?

SOLUTION

The houses 'D', 'E' and 'F' are mainly seen in cities. The houses 'A', 'B' and 'C' are mainly seen in the rural areas.

Try This | Q 6 | Page 51



Think about your own environment and the climate there and choose the most suitable house for yourself by putting a '✓' in the box near the picture.

SOLUTION

Do it yourself.

WHAT'S THE SOLUTION? [PAGE 53]

What's the solution? | Q 1 | Page 53

Construction work is going on opposite Ajit's house. That means constant loud noise and a lot of dust in the air. Ajit and his family have to suffer this all the time. What can Ajit do to find a way out of this problem?

SOLUTION

Ajit can follow the following solutions to find a way out of the problem of noise and air pollution due to construction work :

1. Keeping the doors and windows of house closed when the construction work is going on.
2. Use of handkerchief while going out of house.
3. Using ear plugs during irritable noise.
4. Requesting the constructor to use less machines.
5. Requesting the constructor to plant trees in the locality and keeping the locality clean.

USE YOUR BRAIN POWER! [PAGE 57]

Use your brain power! | Q 1 | Page 57

For what purpose do birds use their nests?

SOLUTION

1. The birds use their nests for a temporary shelter.
2. Most birds use their nests to lay their eggs and raise their nestlings.

WHAT'S THE SOLUTION? [PAGE 57]

What's the solution? | Q 1 | Page 57

What can we do to build houses without harming the environment?

SOLUTION




The following things can be done to build houses without harming the environment :

1. Deciding the numbers of houses and the area of each house as per the requirement.
2. Constructing spacious doors and windows for houses and reducing the use of fans, air conditioners, lamps, etc.
3. Reducing use of artificial colours and chemicals and using organic colours for houses.
4. Using minimum machines and using only the required amount of natural resources while constructing houses.
5. Practising recycling of water and garbage.

EXERCISES [PAGE 57]

Exercises | Q 1. (a) | Page 57

Which of the following houses would be suitable in a mountainous region? Put a '✓' in the appropriate box. Give reasons for selecting that house.

1. 
2. 
3. 

4.



SOLUTION

A small multi-storeyed house made up of bricks, stones, cement, and roof tiles would be suitable in a mountainous region.

Reasons:

1. In a mountainous region, the amount of rainfall and the speed of the wind is quite high. Therefore, in such a region a house made up of clay, mud, sticks, etc. would not be suitable. In such a region, a house made up of bricks, stones, cement and roof tiles would be suitable.
2. In a mountainous region, less amount of plain surface of the land is available. Therefore, in such a region a small multi-storeyed house would be suitable than a big single-storeyed house.

Exercises | Q 2 | Page 57

Arrange the following considerations from the most to least important in house-building.

- a. Luxury
- b. Structure
- c. Climate

SOLUTION

We will prefer the above things in the following sequence while building a house : (a) Climate (b) Luxury (c) Structure.

Exercises | Q 3. (a) | Page 57

Write the following.

List the eco-friendly things in your house.

SOLUTION

The eco-friendly things in my house are:

1. Solar cooker
2. Spacious windows

3. A big earthen pot in which organic fertilizers are made.
4. Flower plants in the open space in front of the house
5. A tank constructed to store the rainwater.

Exercises | Q 3. (b) | Page 57

Write the following.

Which of the gadgets in the house can be run on solar energy?

SOLUTION

The following gadgets in the house can be run on solar energy:

1. Solar fan
2. Solar lamps
3. Solar clock
4. Solar geyser, etc.

Exercises | Q 4 | Page 57

What are the types of pollution that can be observed at a construction site?

SOLUTION

Air pollution, water pollution, soil pollution, and noise pollution are the types of pollution that can be observed at a construction site.