

NCERT SOLUTIONS

CLASS - 5th



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Class : 5th
Subject : Environmental Studies
Chapter : 12
Chapter Name : What If It Finishes?

Q1 What are the different kinds of vehicles that you can see?

Answer. I can see vehicles like cars, buses, autorickshaws, motorcycles, cycle etc.

Page : 111 , Block Name : Look At The Picture On Page 110 And Write

Q2 What do you think they need as fuel?

Answer. Cars, buses and motorcycles need petrol, diesel or CNG while cycles do not need any such fuels.

Page : 111 , Block Name : Look At The Picture On Page 110 And Write

Q3 Which of the vehicles do you think give off smoke? Put a red mark on those.

Answer. Bus, car, auto-rickshaw, motorcycle, scooter, etc. give off smoke. All the vehicles except cycle will be marked.

Page : 111 , Block Name : Look At The Picture On Page 110 And Write

Q4 Which are the vehicles run without petrol and diesel?

Answer. Magnetic (Mono) Rail which runs through magnetic field, Train of coal, Bicycle, Rickshaw, Battery rickshaw etc.

Page : 111 , Block Name : Look At The Picture On Page 110 And Write

Q5 What problems do we face from the speeding vehicles?

Answer. Accidents, damage of property, damage of human life, more pollution, can cause traffic jams.

Page : 111 , Block Name : Look At The Picture On Page 110 And Write

Q1 Do you ride a bicycle? If yes, where all do you go on it?

Answer. Yes, I ride a bicycle; I go to my school, playground, and market to meet my friends using it.

Page : 111 , Block Name : Tell

Q2 How do they come to school?

Answer. I come to by school bus or by my cycle.

Page : 111 , Block Name : Tell

Q3 How do your family members go to work from home?

Answer. My father uses car, my mother go by metro rail while my uncle go by motorcycle.

Page : 111 , Block Name : Tell

Q4 What problems can we have from smoke coming out of vehicles?

Answer. We can have problems like coughing, nausea, headache and diseases related to lungs can have from smoke coming out of vehicles.

Page : 111 , Block Name : Tell

Q5 What kind of problems can we face from noise of vehicles (smoking)?

Answer. It causes noise pollution which adversely effects the person's hearing ability. Sometimes it is responsible for getting cardiovascular diseases too.

Page : 111 , Block Name : Tell

Q1 Which states of India have oil-fields?

Answer. In India oil fields are in Assam, Gujarat and the coastal areas of Maharashtra, Andhra Pradesh .

Page : 113 , Block Name : Find Out And Discuss

Q2 Besides oil , what else is found deep inside the earth?

Answer. Besides oil minerals like iron, copper, bauxite, gold etc. deep are found inside the earth.

Page : 113 , Block Name : Find Out And Discuss

Q3 Find out the traffic rules and discuss them in the class.

Answer. 1. Cross the road on zebra crossing
2. Cross the road on red light
3. Walk on footpath

Page : 113 , Block Name : Find Out And Discuss

Q4 We should use petrol and diesel judiciously. Think why?

Answer. We should use petrol and diesel judiciously because they are non renewable resources. And they take long time to form. And can be used by future generations to use for their needs.

Page : 113 , Block Name : Find Out And Discuss

Q1 What all can vehicles run on?

Answer. Vehicles can run on petrol, diesel, CNG, LPG, battery and solar energy.

Page : 114 , Block Name : Write

Q2 What kind of problems will we face, If the number of vehicles keeps on increasing? For example, more traffic on the road. Talk to you elders and write about it.

Answer. If the number of vehicles keep on increasing on the road then besides heavy traffic, problems like air pollution noise pollution, accident etc. can arise.

Page : 114 , Block Name : Write

Q3 Manju said, "Why doesn't everyone use a bus?" What do you think, why don't people travel by buses?

Answer. I think poor people prefer bicycle than to spend daily on buses while the rich ones used cars for convenience and also maintain their status.

Page : 114 , Block Name : Write

Q4 Suggest ways to deal with the problems arising out of the growing number of vehicles.

Answer. To control the growing number of vehicles people should prefer public transport system like buses, trams, metro train etc. This problem can also effectively dealt with by making carpool i.e. sharing one's car with their colleagues, other people etc.

Page : 114 , Block Name : Write

Q5 What are the benefits, if we switch off the engine of the vehicles at the red light on the road?

Answer. The benefits are as follow
it reduces pollution
it saves fuel
it saves money it saves resources

Page : 114 , Block Name : Write

Q1 In 2014, as compared to 2007 the rate of petrol went up by _____ rupees. The rate of diesel increased by _____ rupees.

Answer. In 2014, as compared to 2007 the rate of petrol went up by 27.08 rupees. The rate of diesel increased by 19.75 rupees.

Page : 115 , Block Name : Find Out And Write

Q2 What was the difference in the rates of petrol and diesel from 2002 to 2007 and 2007 to 2014?

Answer. DIY

Page : 115 , Block Name : Find Out And Write

Q1 What is the price of petrol and diesel in your area?

Answer. In our area the of petrol is 48 rupees/liter while that of diesel is 34 rupees/liters.

Page : 115 , Block Name : Find Out

Q2 Why are the prices of petrol and diesel going up?

Answer. The prices of petrol and diesel are going up because its production is limited while consumption is increasing day by day.

Page : 115 , Block Name : Find Out

Q3 In one month how much petrol and diesel Is used In your home? What is It used for?

Answer. In our home about 100 litres of petrol and 10 liters of diesel are used on conveyance and generator.

Page : 115 , Block Name : Find Out

Q1 What for oil Is used?

Answer. Oil is used as fuel for vehicles, for cooking food, lighting, dry cleaning, to run machines and making plastic and paints.

Page : 116 , Block Name : See The Poster And Write

Q2 Where is diesel used? Find out.

Answer. Diesel is used to run cars, buses, trucks, tractors, trains and generators. Besides, it is also used to run machines in factories.

Page : 116 , Block Name : See The Poster And Write

Q1 What would happen if you don't get petrol or diesel for a week in your village or town?

Answer. If we don't get petrol or diesel for a week in our area, life will come to a stand still as the crisis would badly affect the transport system. Machine used in factories and agriculture works will also become non-functional. We will not be able to get electricity from generators either. In other words, We will be messed up.

Page : 117 , Block Name : Think And Discuss

Q2 Suggest some ways to save oil.

Answer. Following measures could be taken to save oil:

- (i) In place of using personal vehicles, we should use public transport system like buses, trains or metro trains etc.
- (ii) We should prefer walking on foot or using bicycle.
- (iii) We should keep our vehicles switched off on red lights.
- (iv) We should utilize solar energy for different purposes.

Page : 117 , Block Name : Think And Discuss

Q1 Have you ever collected dry wool or made cow dung cakes? How are they made?

Answer. Yes, once I have collected dry wool also made cow dung cakes. To make cow dung cakes, balls of cow dung are made and then these are flattened to make round and flat surfaces. After that these are dried up in the sun.

Page : 117 , Block Name : Discuss

Q2 Do you know anyone who collects dry wood or leaves to be used for lighting?

Answer. Yes, I know a few people living in my village that collects dry or leaves for fuel.

Page : 117 , Block Name : Discuss

Q3 Who cooks food in your family? What about other families in your area?

Answer. My mother cooks food in my family. In other families in my area the ladies or servants cook food.

Page : 118 , Block Name : Discuss

Q4 If they cook food using wood or upla, what difficulties do they face due to smoke?

Answer. The people who cook food using or upla may suffer from problems like coughing, nausea, headache, and lung diseases.

Page : 118 , Block Name : Discuss

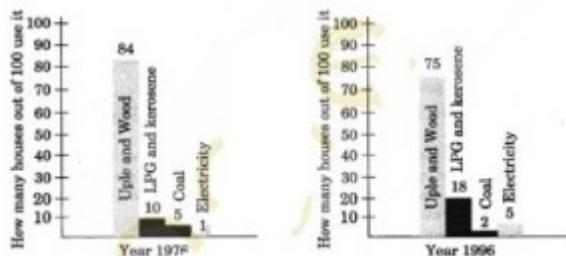
Q5 Can Durga use anything else Instead of wood? Why not?

Answer. Since Durga is poor, she is unable to use anything else instead of wood.

Page : 118 , Block Name : Discuss

Q1 In year 1976, out of 100 how many houses used up and wood?

Change In Fuel Use Over Twenty Years up and wood?



Answer. In 84 houses.

Page : 118 , Block Name : Change In Fuel Over Twenty Years

Q2 Which was fuel used the least In 1976 ?

Answer. Electricity.

Page : 118 , Block Name : Change In Fuel Over Twenty Years

Q3 In 1976, LPG and Kerosene were used In 10 houses and in 1996 this increased to 18. This means that in twenty years their use Increased by 80 %.

Answer. 10 , 18 , 80 %

Page : 118 , Block Name : Change In Fuel Over Twenty Years

Q4 Out of 100 how many houses were using electricity In 1996?

Answer. In 75 houses.

Page : 119 , Block Name : Change In Fuel Over Twenty Years

Q5 Which fuel was used the least In 1996? In 1970, It was used in what percent of houses. ?

Answer. Coal was used the least in 1996. In 1976 was used in 5% of houses.

Page : 119 , Block Name : Change In Fuel Over Twenty Years

Q1 When they were young what was then used to cook food at home?

Answer. When they were young, coal, wood, upla were used to cook food at home.

Page : 119 , Block Name : Find Out From Your Elders

Q2 In the past 10 years use of which cooking fuel has Increased In your area? Use of which fuel has decreased?

Answer. In the past 10 years use of electricity and LPG has increased while use of wood, upla, coal, etc.

Page : 119 , Block Name : Find Out From Your Elders

Q3 Guess the use of which fuel Increase and which would decrease the next 10 years?

Answer. I guess in the next 10 years, use of electricity and LPG would increase while that of wood coal and upla will decrease.

Page : 119 , Block Name : Find Out From Your Elders

Q1 Imagine that a company has given you a chance to design a new vehicle like a mini bus. What kind of vehicle would you design? Write about It. Draw a picture and colour it.

Answer. I will design a bus which is environment friendly, highly fuel efficient and especially designed keeping in view the need of handicapped, children and elder people.



Page : 119 , Block Name : What We Have Learnt

Q2 While making designs, what did you plan to take care of:

Answer. Old people: Low floor, special arrangement of seats near the doors.

Children: Low floor, closed door Those who cannot see? Low floor, closed door and special arrangement of seats near the doors.

Page : 119 , Block Name : What We Have Learnt

Q3 Look out for news reports on oil. Cut these and make a collage. Put up a chart in your classroom. Also write your own views on these news reports.

Answer. DIY

Page : 119 , Block Name : What We Have Learnt

Q4 Make a poster with a message on saving fuel. Write a too. Where would you like to put up this poster?

Answer.



Page : 119 , Block Name : What We Have Learnt