

Chapter 12: What If It Finishes

NCERT · Class 5 · EVS

Questions

Question 1

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

Solution

Answer: I can see vehicles like cycles, cars, buses, motorcycles, scooters, auto rickshaws, etc.

Question 2

What do you think they need petrol and diesel as fuel?

Solution

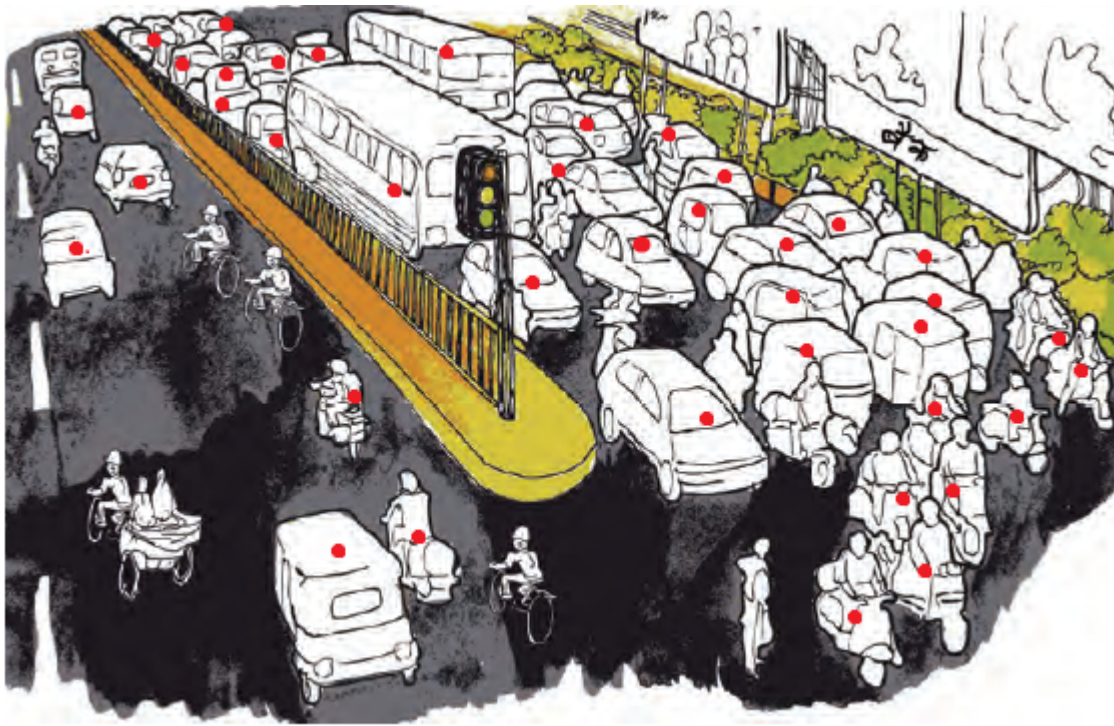
Answer: Cycles do not need any fuel, but other vehicles shown here need petrol or diesel as their fuel.

Question 3

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

Solution

Answer: The vehicles such as cars, buses, motorcycles and auto rickshaws give off smoke.



Question 4

Which are the vehicles run without petrol and diesel?

Solution

Answer: The cycle can run without petrol and diesel.

Question 5

What problems do we face from speeding vehicles?

Solution

Answer: It may cause accidents.

Tell:

Question 1

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

Solution

Answer: Yes, I ride a bicycle. I use the bicycle to go to the market and playground.

Question 2

How do you come to school?

Solution

Answer: I come to school by bus.

Question 3

How do your family members go to work from home?

Solution

Answer: My father goes by car, and my mother goes by scooter.

Question 4

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

Solution

Answer: Smoke coming from vehicles can cause nausea, cough, lung diseases, headache and skin allergies.

Question 5

What kind of problems can we face from the noise of vehicles (honking)?

Solution

Answer: Noise coming from vehicles cause headache and irritation.

Write:

Question 1

What all can vehicles run on?

Solution

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

Question 2

What kinds of problems will we face, if the number of vehicles keeps on increasing? For example, more traffic on the road. Talk to your elders and write about it.

Solution

Answer: If the number of vehicles keeps on increasing, it will lead to many problems, like increased traffic on the road, air pollution, noise pollution and accidents.

Question 3

Manju said, “Why doesn’t everyone use a bus?” What do you think, why don’t people travel by bus?

Solution

Answer: Buses are overcrowded, and hence, people want to avoid them.

Question 4

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

Solution

Answer: People should prefer public transport like buses, trains, etc., and people should use carpools to avoid problems arising out of the growing number of vehicles.

Question 5

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

Solution

Answer: It will save fuel if we switch off the engine of the vehicles at the red light on the road.

Find OUT and Write:

How much oil?	Scooter	Car	Tractor
How much petrol/diesel can be filled at a time?			
How far can it go on one litre of petrol/diesel?			

How much oil?	Scooter	Car	Tractor
How much petrol/diesel can be filled at a time?	5 litres	40 litres	50 litres
How far can it go on one litre of petrol/diesel?	40 km	20 km	4 to 6 km

The rates of petrol are different in each city. The rates of petrol and diesel in Delhi are given here. Look at the table and answer the questions.

Oil	Rate of one litre in 2002 (Oct)	Rate of one litre in 2007 (Oct)	Rate of one litre in 2014 (Oct)
Petrol	Rs 29.91	Rs 43.52	Rs 67.86
Diesel	Rs 18.91	Rs 30.48	Rs 58.97

Question 1 (2)

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

In 2014, as compared to 2007, the rate of petrol went up by 23.34 rupees. The rate of diesel increased by 28.49 rupees.

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

Solution

Answer: The difference in the rates of petrol from 2002 to 2007 is 13.61 rupees, and diesel is 11.57 rupees.

The difference in the rates of petrol from 2007 to 2014 is 23.34 rupees, and diesel is 28.49 rupees.

Find OUT:

Question 1

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

Solution

Answer: The price of petrol in my area is ₹ 74.46 per litre, and the price of diesel is ₹ 66.84.

Question 2

Why are the prices of petrol and diesel going up?

Solution

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

Question 3

In one month, how much petrol and diesel is used in your home? What is it used for?

Solution

Answer: It depends upon the distance we travel. It is used for vehicles.

See the poster and Write:

Question 1

Where all is the oil used?

Solution

Answer: Oil is used for dry cleaning, lighting, as fuel for automobiles and aeroplanes, making plastic and paints, running machines and as kerosene and LPG.

Question 2

Where is diesel used? Find out.

Solution

Answer: Diesel is used to running machines and as fuel for automobiles.

Think and discuss:

Question 1

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

Solution

Answer: If petrol and diesel are not available for a week, life will become difficult for everyone to travel and to do work in industries.

Question 2

Suggest some ways to save oil.

Solution

Answer: Some of the measures to save oil are listed below.

1. Switch off the engines at the red light on the road.
 2. Use more public transport than private.
 3. Usage of alternative energies like solar and biogas.
 4. Prefer walking or cycling for shorter distances.
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discuss:

Question 1

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

Solution

Answer: Yes, I have collected dry wood to make bonfires during winter. I have never made cow dung cakes but have seen them in villages. Hay is mixed with cow dung, and the mixture is given a circle shape and is sun-dried to make cow dung cakes.

Question 2

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

Solution

Answer: Yes, I have seen some people in villages collecting dry wood leaves for lighting a chulha.

Question 3

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

Solution

Answer: My mother cooks food in my family. In other families, women usually cook. In some families, servants also cook.

Question 4

If they cook food using wood or upla (cow dung cakes), what difficulties do they face due to smoke?

Solution

Answer: The smoke from wood or cow dung creates many difficulties like lung diseases, headache, eye burning, nausea and problems related to respiration.

Question 5

Can Durga use anything else instead of wood? Why not?

Solution

Answer: Yes, Durga can use cow dung instead of wood.

Change in fuel use over twenty years

Question 1

In the year 1976, out of 100, how many houses used upla and wood?

Solution

Answer: 84 houses.

Question 2

Which was the fuel used the least in 1976?

Solution

Answer: Electricity.

Question 3

In 1976, LPG and kerosene were used in _____ houses, and in 1996, this increased to _____. This means that in twenty years their use increased by _____%.

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%.

Q4: Out of 100, how many houses were using electricity in 1996?

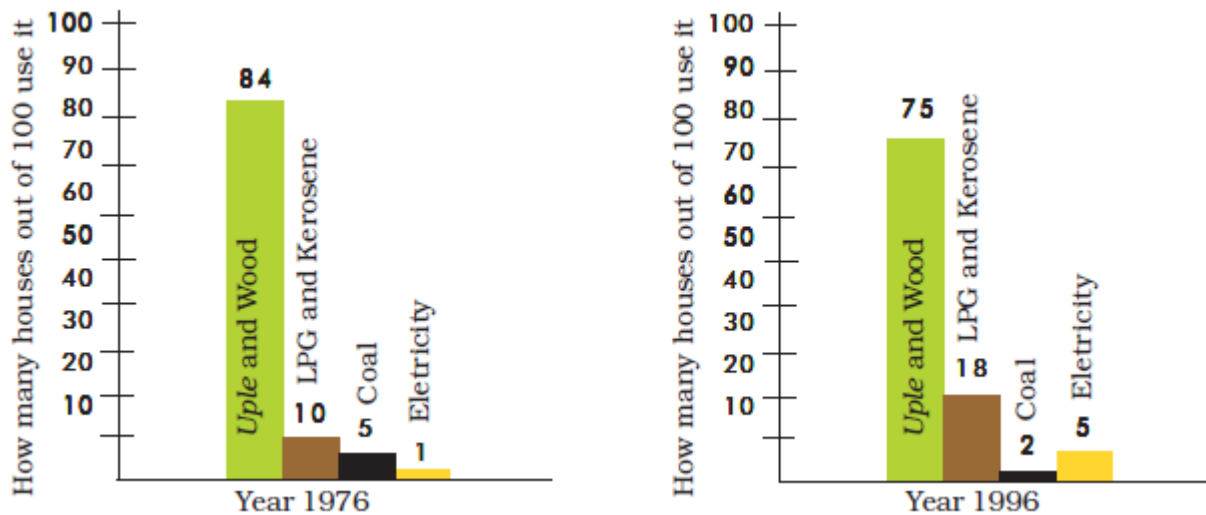
Solution

Answer: 5 houses.

Question 4

Out of 100, how many houses were using electricity in 1996?

Change in fuel use over twenty years



Solution

Answer: 5 houses.

Question 5

Which fuel was used the least in 1996? What percentage of houses used it in the year 1976?

Solution

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

Find out from your elders

Question 1

When they were young, what was then used for cooking food at home?

Solution

Answer: When they were young, coal, wood and cow dung were used for cooking food at home.

Question 2

In the past 10 years, the use of which cooking fuel has increased in your area? Use of which fuel has decreased?

Solution

Answer: In the past 10 years, the use of LPG and electricity has increased. The use of cow dung and wood has decreased.

Question 3

Guess the use of which fuel would increase and which would decrease in the next 10 years.

Solution

Answer: In the next 10 years, the use of LPG and electricity will increase. The use of cow dung and wood will decrease.

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