

Chapter 8: A Treat for Mosquitoes

NCERT · Class 5 · EVS

Questions

Question 1

Do you know anyone who has had malaria?

Solution

Answer: Yes, malaria had once attacked my friend.

Question 2

How did they find out that they had malaria?

Solution

Answer: By undergoing blood tests, they got to know it was malaria.

Question 3

What problems did they have on having malaria?

Solution

Answer: My friend, when she was suffering from malaria, got a high fever and became too weak.

Question 4

What other diseases can be caused by mosquito bites?

Solution

Answer: Through mosquito bites, we may get other diseases like chikungunya, yellow fever, dengue, etc.

Question 5

In which season is malaria more common? Why do you think this happens?

Solution

Answer: Malaria is seen more commonly during the rainy season because that is the breeding time for mosquitoes.

Question 6

What do you do in your house to protect yourself from mosquitoes? Also, find out from your friends about what they do.

Solution

Answer: The best thing to protect ourselves from mosquitoes is to use mosquito repellent.

My friends use mosquito nets, mosquito repellent cream, and also mosquito repellent coils.

Question 7

Look at the report of the blood test given here. Which words in the report help us to know that the person has malaria?

क्लीनिकल विकृति रिपोर्ट
CLINICAL PATHOLOGY REPORT
केंद्रीय सरकार स्वास्थ्य योजना
Central Govt. Health Scheme

18/08/2007

नाम/Name..... **Rajat** आयु/Age..... **11** स्त्री या पुरुष/Sex..... **Male**

रोग की पहचान/Diagnosis..... **Fever with Chills and Rigors**
(ठंड लगकर कंपकंपी के साथ बुखार)

Malarial Parasite Found in Blood Sample
(खून में मलेरिया के जीवाणु पाए गए)

[Signature]
Pathologist

Solution

Answer: In the report, it is clearly indicated that the malaria parasite found in the blood sample shows that the person is suffering from malaria.

Tell

Question 1

Look at Aarti's blood report and find out the minimum required haemoglobin.

Solution

Answer: By seeing Aarti's blood report, the minimum required haemoglobin is 12 gm/dl.

Question 2

How much did Aarti's haemoglobin go up, and how long did it take for that?

Solution

Answer: By seeing Aarti's blood report, haemoglobin increased by 2.5 gm/dl, which took almost 3 months to increase.

Question 3

What does the newspaper report say about the problems caused by anaemia?

Solution

Answer: The newspaper report states that anaemia affects both the mental and physical health of a child. It causes problems in children's growth, reducing their energy levels which in turn affects their education.

Question 4

Have you or anyone in your family ever needed to get a blood test? When and why?

Solution

Answer: Yes, last month, when I was down with a fever, I got a blood test done. It resulted in malaria.

Question 5

What was found out by the blood test?

Solution

Answer: By doing the blood test, we got to know that I was suffering from malaria.

Question 6

Have you had a health checkup at your school? What did the doctor tell you?

Solution

Answer: Yes, we had a health check-up two months back at our school. The doctor told me that I was fit and fine.

Find out

Question 1

Ask a doctor or elders about the food items which contain iron.

Solution

Answer: When I asked the doctor about the food items which contain iron, the doctor suggested that green leafy vegetables like spinach, cabbage etc., contain iron.

Find out and tell

Question 1

Have you seen any poster like this put up anywhere?

Solution

Answer: Yes, these posters are usually put on school notice boards.

Question 2

Who do you think puts up such posters or gives ads in the newspapers?

Solution

Answer: Government authorities may put up such posters or give ads in the newspapers; by doing so, they are providing information to the public.

Question 3

What are some of the important points given in the poster?

Solution

Answer: The important points given in the poster are:

- Warning alerts regarding the diseases caused by mosquito bites.
 - Fill up the pits, and don't let water stagnate around your home.
 - Every corner should be kept clean, and no moisture should be there so that mosquitoes don't get to breed.
 - Protect yourself from mosquitoes by using mosquito nets.
 - Spray kerosene on the stagnant water and thereby reduce the further growth of mosquitoes.
-

Question 4

Why do you think pictures of a tank, cooler and pits are shown in the poster?

Solution

Answer: In these areas, it is easy for mosquitoes to breed since water is stagnant at such places.

Think

Question 1

Why do you think it talks about putting fish in the tank? What do you think the fish eats?

Solution

Answer: By putting the fish in the tank, it eats up the larva of mosquitoes so that there won't be any breeding.

Question 2

What will happen when oil is spread on the water?

Solution

Answer: When oil is poured into the water, it stops the oxygen supply to the mosquito's larva from growing and kills them.

Find out (2)

Question 1

Which diseases are spread by flies and how?

Solution

Answer: Flies transmit pathogens via touch or from bodily fluids, including their saliva, faeces, vomit, and urine. They can transmit parasites or bacteria that cause various infections. The most common are amoebic dysentery, typhoid fever, cholera, Trachoma, tapeworm, roundworm, leprosy and mycoses.

Mosquito check

Question 1

Divide your class into two or three groups. Each group will go around to check one area in the school or around it. It must carefully note if water has collected anywhere and mark ✓ where it finds stagnant water.

- ☐ Pot
- ☐ Cooler
- ☐ Tank
- ☐ any open space in the school ground
- ☐ Gutter
- ☐ any other place_____.

Solution

Pot



Cooler



Tank



Any open space in the school ground



Gutter



Any other place



– Drainage

Question 2

Since how many days has water collected there?

Solution

Answer: The water has been collected there for almost a week.

Question 3

Who is responsible for keeping these places clean?

Solution

Answer: At home, we are responsible for keeping the house clean. At school, the school authorities are responsible for maintaining the premises clean. Outside the premises, it's the municipality's responsibility to keep it clean.

Question 4

Who is supposed to get the gutters and drains repaired?

Solution

Answer: The government municipality authority is supposed to get the gutters and drains repaired.

Question 5

Can any larvae be seen in the collected water?

Solution

Answer: Yes, in the collected water, there could be larvae.

Question 6

Has it caused any problems in the area?

Solution

Answer: Yes, the area being dirty makes it easy for the mosquitoes to breed. Hence, these mosquitoes have created a mess in the area overall.

Make a poster

Question 1

In your group, make a poster with a message to keep the cooler, tank, drains, and the area clean (wherever water collects). Put up your poster in and around your school.

Solution



Question 2

Find out who is responsible for keeping the area around your school clean. Write a letter from your class, reporting your findings and suggestions. Find out to whom the letter should be written and to which office it should be sent.

Solution

The local municipality is responsible for keeping the area around the school clean. So let us write the letter addressing the mayor and send the letter to the local Municipal Corporation Office.

To,

The Mayor

Municipal Corporation of Bangalore

Karnataka

Subject: Requesting for better cleanliness around the Vidyaniketan School premises.

Respected Sir/Madam,

We, the students of Vidyaniketan School, Bangalore, would like to bring to your notice regarding the dirt and garbage collected surrounding the school premises. The whole area is facing a mess from the

mosquitoes breeding and diseases caused by them. Due to heavy rains, the water has been logged and caused this issue.

So, we request you to kindly look into the matter and resolve the problem at the earliest.

Thanking you,

Yours sincerely,

Student of Class V

Vidyaniketan School

Bangalore

Tell

Is there a pond or river around your house or school? Go and look around and observe these things:

Question 1 (2)

Q1. Can you see algae in or around the water?

Solution

Answer: Yes, we can see algae formed in or around the water.

Question 2 (2)

Q2. Where else have you seen algae?

Solution

Answer: We can see algae on damp walls, damp floors etc.

Question 3

Are there plants growing on the side or in water? Find out their names. Draw some of these in your notebook.

Solution

Answer: Yes, there are plants which grow on the side or in the water, like mosses, liverworts etc.



Question 4

Do you think these were planted by someone, or did they grow on their own?

Solution

Answer: No, these plants grow by themselves. There's no need for someone to plant them.

Question 5

What else can you see in the water? Make a list.

Solution

Answer: We can see fish, crabs, tortoises, etc., in the water.

What we have learnt

Question 1

What can you do so that mosquitoes do not breed in your house, school and neighbourhood?

Solution

Answer: We have to avoid water logging, keep the surroundings clean, spray chemicals to prevent mosquitoes from breeding, use fish in water so that it prevents mosquito larvae from growing further, etc.

Question 2

How can you find out if someone has malaria?

Solution

Answer: We can check if someone is having malaria if the blood reports show positive results of malaria.

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