

FIND OUT

Q1. Do you know anyone who has had malaria?

Answer: Yes, malaria had once attacked my friend.

Q2. How did they find out that they had malaria?

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

Q3. What problems did they have on having malaria?

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

Q4. What other diseases can be caused by mosquito bites?

Answer: By the mosquito bite we also get other diseases like chikungunya, yellow fever, dengue etc.

Q5. In which season is malaria more common? Why do you think this happens?

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

Q6. What do you do in your house to protect yourself from mosquitoes? Also find out from your friends about what they do.

Answer: Best thing to protect ourselves from mosquitoes is to use mosquito repellent. My friends also use mosquito nets, mosquito repellent cream, they even use mosquito repellent coils etc.

Q7. 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**
(उच्च लगातार कंपकंपी के साथ बुखार)

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

[Signature]
Pathologist

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

TELL

<p style="text-align: center;">क्लीनिकल विकृति रिपोर्ट CLINICAL PATHOLOGY REPORT केंद्रीय सरकार स्वास्थ्य योजना Central Govt. Health Scheme</p> <p style="text-align: right;">20/06/2007</p> <p>नाम/Name..... Aarti आयु/Age..... 12 स्त्री या पुरुष/Sex..... Female</p> <p>रोग की पहचान/Diagnosis..... Anaemia (अनीमिया)</p> <p style="text-align: center;">Normal Range (नॉरमल रेंज)</p> <p>Haemoglobin 8... gm/dl 12 to 16gm/dl (होमोग्लोबिन)</p> <p style="text-align: right;"><i>[Signature]</i> Pathologist</p>	<p style="text-align: center;">क्लीनिकल विकृति रिपोर्ट CLINICAL PATHOLOGY REPORT केंद्रीय सरकार स्वास्थ्य योजना Central Govt. Health Scheme</p> <p style="text-align: right;">15/09/2007</p> <p>नाम/Name..... Aarti आयु/Age..... 12 स्त्री या पुरुष/Sex..... Female</p> <p>रोग की पहचान/Diagnosis..... Anaemia (अनीमिया)</p> <p style="text-align: center;">Normal Range (नॉरमल रेंज)</p> <p>Haemoglobin 10.5 gm/dl 12 to 16gm/dl (होमोग्लोबिन)</p> <p style="text-align: right;"><i>[Signature]</i> Pathologist</p>
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Q1. Look at Aarti's blood report and find out the minimum required haemoglobin?

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

Q2. How much did Aarti's haemoglobin go up and how long did it take for that?

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

Q3. What does the newspaper report say about the problems caused by anaemia?

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

Q4. Have you or anyone in your family ever needed to get a blood test? When and why?

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

Q5. What was found out by the blood test?

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

Q6. Have you had a health checkup in your school? What did the doctor tell you?

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

FIND OUT

Q1. Ask a doctor or elders about the food items which contain iron.

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



Q1. Have you seen any poster like this put up anywhere?

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

Q2. Who do you think puts up such posters, or gives ads in the newspapers?

Answer: Government authority may put up such posters or gives ads in the newspapers by doing so they are providing information.

Q3. What are some of the important points given in the poster?

Answer: The important points given in the poster are:

- Warning alerts regarding the diseases caused by the mosquito bites.
- Fill up the pits and don't let water to stagnate around your home.
- Every corners should be kept clean and no moist should be there so that mosquito don't get to breed.
- Protect yourself from mosquitoes by using mosquito repellents.
- By spraying kerosene on the water stagnant there by it reduces the further growth of mosquitoes.

Q4. Why do you think pictures of a tank, cooler and pits are shown in the poster?

Answer: At these areas it is easy for mosquitoes to breed since there would be water stagnant.

THINK

Q1. Why do you think it talks about putting fish in the tank? What do you think the fish eats?

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

Q2. What will happen when oil is spread on the water?

Answer: When oil is poured on the water it stops the oxygen supply to the mosquitoes larva to grow hence it kills them.

FIND OUT

Q1. Which diseases are spread by flies and how?

Answer: Flies transmit pathogens via touch or from bodily fluids, including from their saliva, feces, 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

Q1. Divide your class into two or three groups. Each group will go around to check one area in 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 _____.

Answer: Pot

Cooler

Tank

Any open space in the school ground

Gutter

Any other place - Drainage

Q2. Since how many days has water collected there?

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

Q3. Who is responsible for keeping these places clean?

Answer: At home we are responsible to keep the house clean. At school, the school authorities are responsible to maintain the premises clean. Outside the premises its municipality's responsible to keep it clean.

Q4. Who is supposed to get the gutters and drains repaired?

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

Q5. Can any larvae be seen in the collected water?

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

Q6. Has it caused any problem in the area? Write.

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

MAKE A POSTER

Q1. 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.

Answer:



Q2. 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.

Answer:

The local municipality is responsible for keeping the area around the school clean. So let us write the letter addressing the mayor and sending the letter to 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 bring in the 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 kindly request you to look into the matter and requesting you to 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:

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

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

Q2. Where else have you seen algae?

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

Q3. Are there plants growing on the side or in water? Find out their names. Draw some of these in your note book.

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

words etc.



Q4. Do you think these were planted by someone or did they grow on their own?

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

Q5. What else can you see in water? Make a list.

Answer: We can see fishes, crabs, tortoise, etc. in the water.

WHAT WE HAVE LEARNT

Q1. What can you do so that mosquitoes do not breed in your house, school and neighborhood?

Answer: We have to avoid water logging, keep the surroundings clean, spray any chemicals to avoid mosquitoes to breed, use fishes in water so that it avoids mosquito larvae from growing further etc.

Q2. How can you find out if someone has malaria?

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