



Case study Class 5

A treat for mosquitoes

In the tropics malaria is a common disease that causes high fever and other symptoms. After Alphonse Laveran detected the parasite that causes the disease in the blood of infected people. Since the parasite was found only in blood, researchers suspected that it was spread by blood-sucking mosquitoes and spent part of its life cycle in them. Ronald Ross had mosquitos suck blood from malaria-infected people, and in 1897 he found the malaria parasite at a certain stage of life in the stomach of a certain species of mosquito.

1. Who gave Ross the idea that malaria is carried by mosquitoes?
2. In which year did Ronald Ross received the noble prize and Why?
3. What instruments were used by Ross to study mosquitoes ?
4. What is the name of the pathogen which causes malaria ?
5. What was the device used by Ronald Ross to find out the pathogen? Write two uses of it ?