

Name _____

Date _____



Read the following information.

Studies have shown that animals and plants may move into new regions if the physical environment changes. The organisms can live in areas they could not live before. Mosquitoes that carry malaria are one example of this phenomenon.

Answer the questions below.

1. Mosquitoes that carry malaria would be mostly likely to spread to a new area where:
 - a. average temperatures increase over time
 - b. temperatures fall quickly
 - c. insecticide treated nets are used
 - d. rainfall decreases in an area

2. People living where the malaria- carrying mosquitoes have recently moved differ from people in the areas where malaria has been common with people living in areas. As compared to people in areas where malaria carrying mosquitoes have always lived, people in areas where mosquitoes have recently moved
 - a. don't get as sick from malaria as others.
 - b. get sick in greater numbers because they didn't get the vaccine that others did.
 - c. spend more time in their houses and so don't get malaria
 - d. get sick in greater numbers because they don't have the immune protection of those who have been exposed for longer

3. Explain how chloroquine affected the incidence of malaria. (Be sure to include the importance of the short life cycle of the *Plasmodia*)