Humans vs. Mosquitoes: Scenarios

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1. The International Red Cross and Red Crescent visits your school and teaches how to prevent dengue by clearing habitats instead of using insecticides. People are healthier because now they empty standing water instead of using insecticides.

2. Mosquitoes that previously laid eggs only in clean water now lay eggs in dirty water if that is all that is available. They can live in new habitats where they did not live before.

3. As temperatures increase, relative humidity decreases. Adult mosquitoes will die in drier than normal conditions.

4. Farmers clear land of natural vegetation to use it for agriculture. Changes in runoff, drainage patterns and irrigation create new places for mosquitoes to lay eggs.

5. The International Red Cross and Red Crescent visits your community and organizes a campaign to clear out mosquito habitats. As a result, people empty or cover water containers.

6. Some areas will have more rain than usual. Rain fills open containers and creates new places where mosquitoes can lay eggs.

7. Water shortages occur during drier than normal conditions. People save water in open containers where mosquitoes can lay eggs.

8. As temperatures increase, the mosquito life cycle speeds up creating a mosquito “baby boom.” Mosquitoes develop from eggs to larvae to pupae faster so that more generations of mosquitoes are born.
Humans vs. Mosquitoes: Scenarios
Teacher Key

Increased Rainfall  Humanitarian Aid  Warmer Temperatures
Land Use Conversion  Drought  Mosquito Adaptations

1. ____ Humanitarian Aid______ The International Red Cross and Red Crescent visits your school and teaches how to prevent dengue by clearing habitats instead of using insecticides. People are healthier because now they empty standing water instead of using insecticides.

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