

## Check your understanding



**1** Why is transmission heterogeneity a problem?

*Answer* [ Since the transmission varies, it won't be effective to use the same strategies (for disease reduction and elimination) in all areas. ]

**2** Many hotspots turned out to be on international borders. What are the main concerns?

*Answer* [ There are different species of mosquitoes there (different from the domestic ones), which might call for different mosquito control strategies. People cross the border with malaria and can thus move it between countries. The importation of drug-resistant malaria parasites into the country is also a concern. ]

**3** Stable hotspots were able to predict the occurrence of future hotspots. How can this information be useful?

*Answer* [ The government can better plan malaria control strategies, because they can target these hotspots in advance. ]

**4** What is the best way to avoid malaria and other mosquito-borne diseases?

*Answer* [ Avoid mosquito bites! Wear long sleeves, use repellents and nets, don't leave stagnant water outside and, for malaria, take prophylaxis. ]