Epidemic, Outbreak, and Pandemic

Use with textbook pages 50–52.

1. What two key factors distinguish an epidemic from an outbreak and a pandemic?

_____

2. For each case described below, indicate whether it is an example of an epidemic, an outbreak, or a pandemic.

a) In 1994, over 23 000 deaths occurred in refugee camps in the Congo due to cholera. _____

b) In 2003, SARS killed over 800 people worldwide. _____

c) In 2014, cholera spread rapidly to over 42 countries with 190 549 reported cases and 2231 deaths. _____

3. In each of the following scenarios, identify whether it has a social impact, an economic impact, or both on human populations.

a) Thousands of deaths were reported during the H1N1 pandemic.

_____

b) There was a decline in tourism due to the spread of the Zika virus.

_____

c) There was a SARS outbreak and travel restrictions were issued to the affected countries. _____

d) During the cold and flu season, there was an increase in absenteeism and lower productivity in the workplace. _____

e) Diamond markets were closed during an Ebola outbreak because diamond miners refused to enter the mines, which were in the outbreak region.

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f) Borders were closed to beef and cattle products after cases of mad cow disease were detected. No beef product imports were permitted from the affected country. The infected cattle were then put down for precautionary measures.

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