

## Exploring Infectious Diseases Assessments

The following set of assessments includes questions that can be given for homework or as quizzes depending upon how much and in what depth the material in the four modules your students have been given the opportunity to learn. Answers provided are in *italics*.

### Module 3

Assessments in Module 3 include one open response item, two multiple-choice questions and a formative assessment task.

1. Describe the factors (biological and human behaviors) that may cause an outbreak of a viral disease to develop into an epidemic or not. Use your understandings from the timeline and readings in this module.
  - a) *Mode of transmission of virus: direct and indirect contact (Ebola, HIV, measles, smallpox, influenza)*
  - b) *Diseases that are spread by insect vectors: if the vectors are abundant and are found in close proximity to humans (Zika, Bubonic plague, typhus)*
  - c) *Human behavior: that result in increases in the density of vectors, such as careless disposal of trash; poor sanitation leading to contaminated water; careless food preparation; burial practices (Zika, Cholera, Salmonella, SARS, Ebola)*
  
2. The best treatment for an unknown viral disease is
  - a. Antibiotic
  - b. *Bedrest*
  - c. Exercise
  - d. Vaccine
  
3. In order to multiply a virus must 
  - a. Conjugate with another virus
  - b. *Invade a host cell*
  - c. Manufacture extra food
  - d. Remain hidden

### Formative Assessment

Students create a fictitious viral disease with symptoms, causative agent and mode of transmission and present it and have the class decide whether it is contagious or not.