

**Background and Purpose:** We have seen that biogeography plays a major role in global ecology through provision of a basis for classification of major global ecosystems which in turn provides a basis for planning, executing, and storing data from global ecosystem studies. The purpose of this session is to consider how ecological disruptions that occur in one bioregion affect life in another bioregion. Use the outline below as a video viewing/discussion guide.

A. Video: “Hot Zones” [Journey to Planet Earth Series]

1. What is the main thesis of the presentation?
  
  
  
  
  
  
  
  
  
  
2. For each of the following “hot zones,” note the (1) nature of the problem, (2) how ecological disruption(s) contribute, and (3) reasons why the problem must be addressed.
  - a. Lake Victoria and Nairobi, Kenya:
  
  
  
  
  
  
  
  
  
  
  - b. Peru – Rain Forest and Iquitos

B. Applications – As you watch, note how the video addresses the following themes (use reverse side):

1. Important role of ecologists in support of medical health efforts:
  
  
  
  
  
  
  
  
  
  
2. What social-political elements are needed to combat the problems noted in “hot zones?”
  
  
  
  
  
  
  
  
  
  
3. Role of and promotion of human responsibility:
  
  
  
  
  
  
  
  
  
  
4. How you see these issues impacting your future.