

Background:

Define the following terms commonly used in ecology.

Abiotic

Biotic

The following are arranged from smallest to largest size.

Individual

Population

Community

Ecosystem

Biosphere (Ecosphere)

Procedure:

Decide for each of the 32 cards, to which level of organization each card belongs. **Record** them below.
(1/4 point each - 8 points total)

Abiotic

Individual

Population

Community

Ecosystem

Among the Wild Chimpanzees Watch the video and answer these questions.

1. How old was Jane Goodall when she began her research and what year was it? (1 point)
2. How long did it take Jane to become part of the community in which the chimpanzees lived? (1 point)
3. Why do you think Jane chose to do her study in Africa rather than at a zoo or wild animal park? (1 point)
4. What were at least two of the tools and/or techniques Jane used to study the chimps? (2 points)
5. How did Jane's presence affect the chimps? Describe at least two ways. (2 points)
6. Name two each of the **biotic** and **abiotic** factors in the chimps' ecosystem and discuss how each affected their behavior. (4 points)
7. How many generations of Flo's family did Jane observe in the video? (1 point)
8. Why is it important to study the same family group for so long? (1 point)
9. What were four **very important** findings from this long-term study of the chimps in Gombe? (4 points)