***CH. 13: INTRODUCTION TO ECOLOGY***

**Ecologists study environments at different levels of organization.**

Write a description of each level of organization in the table. Also, provide an example for each level.

|  |  |  |
| --- | --- | --- |
| Level | Description | Example |
| 1. organism
 |  |  |
| 1. population
 |  |  |
| 1. community
 |  |  |
| 1. ecosystem
 |  |  |
| 1. biome
 |  |  |

1. Of the three terms, *biome*, *community* and *ecosystem*, which term contains the other two?

**Ecological research methods include observation, experimentation and modeling.**

1. What is the difference between direct and indirect surveys?
2. Complete the following table with a benefit and drawback of conducting an experiment in the laboratory compared with conducting an experiment in the field.

|  |  |  |
| --- | --- | --- |
| Experiment | Benefit | Drawback |
| Laboratory |  |  |
| Field |  |  |

1. When might a scientist use a model as a research method?

Section 13.2 Power Notes

