

Chapter 10 Review Questions

10.1 Restore to What

1. What are the major tenets of a belief in the concept known as the balance of nature, and in what way is this belief flawed?

10.3 When Nature Restores Itself

2. What are the differences between primary succession and secondary succession?
3. What kinds of events and conditions characterize each of the following types of succession: dune succession, bog succession, and old-field succession.
4. What are the four main steps in succession?
5. What are some properties of early successional species?
6. What are some properties of late successional species?
7. Summarize the trends of early, middle and late succession shown in figure 10.9.

10.4 Succession and chemical cycling

8. Summarize how chemical cycling changes through succession.

10.5 Species Change in Succession

9. Explain what occurs during facilitation, interference, life history differences, and chronic patchiness and give examples of each.

10.6 Applying Ecological Knowledge

10. How was knowledge of ecological succession used to restore British Peak District National Park?