

## Hike through PLT's *Energy in Ecosystems E-Unit*

The *Energy in Ecosystems E-Unit* is organized into three main sections: Introduction, Activities, and Appendices. These sections are easily accessed from the left sidebar.

### Introduction

1. What is the purpose of the *Energy in Ecosystems E-Unit*?
2. What NGSS standards are addressed by this E-Unit? In what ways does the E-Unit address NGSS best practices for STEM instruction?
3. What are the main elements of the 5E Instructional Model? Briefly describe this approach.
4. Describe how the E-Unit forms a learning progression.
5. What is the recommended timeline for teaching this E-Unit?
6. Describe the purpose of the online quizzes.
7. Describe the community and career connections.

### Activities

1. What is the purpose of the Pre-Assessment activity? Compare and contrast it to the Post-Assessment activity.
2. Click on one of the activities.
  - a. What are the main elements (i.e. navigation tabs) of the activity?
  - b. What information is contained in the Overview?
  - c. In what ways might an educator use the Background section?
  - d. Some important text is highlighted in different ways (i.e. colors, underlines, etc.). What are these differences and what do they mean?
  - e. In what ways does the "Doing the Activity" section embed the 5E Instructional Model?

- f. Compare and contrast the “Evaluate” section with the Pre- and Post-Assessments? What is the purpose of the online quizzes? (Hint: Refer to the Introduction.)
- g. Click on the “Enrich” tab. In what ways might educators use these ideas?
- h. What information is contained in the “Tools” section? How is the content of this section similar or different for individual activities?

### **Appendices**

1. What academic standards are addressed by this E-Unit? Where else in the E-Unit can you find Standards Connections?
2. What types of Additional Resources are provided? Where else in the E-Unit can you find these listed?
3. What is the purpose of the Conceptual Framework? Where else in the E-Unit can you find these listed?

### **Navigation Quick Tips**

1. What are two easy ways to return to the main page listing all three of the E-Units?
2. What are two easy ways to return to the main introductory page for just the *Energy in Ecosystems* E-Unit?
3. In how many places can you find the search feature?
4. Where would you find PLT’s policy about the use of information collected from the E-Units site?