

Earth Systems I/Unit 5 Study Guide

ESIU55G (Ecosystem Evolution)

Study Objectives

1. Describe the process of succession in ecosystems
2. List and describe the ways fire history of an area can be determined
3. List and describe several examples of plants and animals being dependent on fire
4. Evaluate the benefits of fire in an ecosystem
5. Show your understanding of how fire frequency has changed over the last 200 years and point out the influences of those changes

Vocabulary

pioneer species secondary succession climax community primary succession prescribed fires
serotinous cone fire rotation ecological succession firebreak fire suppression crown fire
surface fire ground fire

Assignments

- ✓ Read: "Restoring Fire to the Canoe Country", "Fire Dependent Ecosystems of the United States"
- ✓ Notebook: **10pts**
 - **Fire Wars** video guide
 - **Case Study:** Restoring Fire to the Canoe Country
 - **Cloquet Fire of 1918** video guide
 - **Crossword**
 - **Showing Evidence of Learning** of the study objectives
- ✓ Vocabulary Quiz **10pts**
- ✓ Environmental Impact Statement (EIS) **10pts**

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