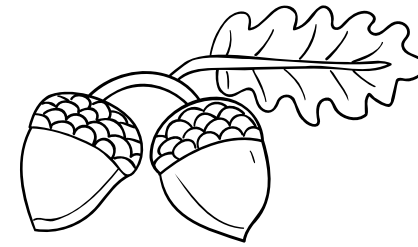


# "Good Fire" Scenario Practice

**Directions:** Read the following scenario. With your group, discuss how each scenario would impact the food web in Ecosystem Sample 1. Consider how organism populations would grow or shrink in size depending on food accessibility.

**Scenario A:** Acorns are a popular and nutritious food for Native people and many other animal species. Insects especially love acorns, and sometimes eat so many that the acorn crop is ruined with insect holes and rot. Native people traditionally burn the ground under the oak tree in order to kill insects and worms that live on or around the oak tree. This helps keep the acorn crop healthy and abundant for humans and other species.



## Ecosystem Sample 1:



## Draw the scenario here:



## Scenario A Analysis:

1. What purpose does fire serve in this scenario?

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2. How is the insect population impacted in this scenario?

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3. Why is having too many insects harmful to the Oak Woodlands food web?

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4. How are traditional Native foods supported in this scenario?

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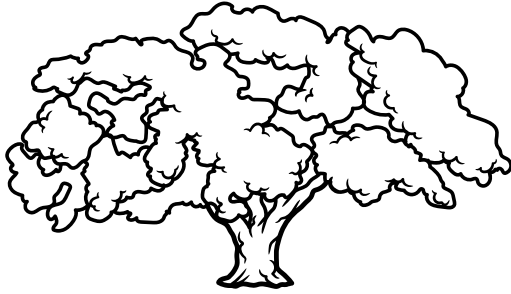
5. If the burning technique in Scenario A was applied to Ecosystem sample 1, how would the ecosystem change or be impacted? What changes could possibly occur?

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# "Good Fire" Scenario Practice

**Directions:** Read the following scenario. With your group, discuss how each scenario would impact the food web in Ecosystem Sample 1. Consider how organism populations would grow or shrink in size depending on food accessibility.



**Scenario B:** Because oaks are a keystone species in the Oak Woodland Ecosystem, it is important to take care of them. In order to grow big and produce lots of acorns, oaks need space to spread out. To make sure oaks have enough space to expand, Native people traditionally use fire to burn any brush, grass, or sprouting trees that crowd the trunk of the oak tree. When the trunk of the oak is cleared, the oak grows bigger, and all the species that rely on the oak benefit.

**Ecosystem Sample 1:**



**Draw the scenario here:**



## Scenario B Analysis:

1. What purpose does fire serve in this scenario?

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2. How are oaks impacted in this scenario?

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3. Why is having too much brush, grass, or other sprouting trees bad for oak trees?

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4. How are traditional Native foods supported in this scenario?

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5. If the burning technique in Scenario B was applied to Ecosystem sample 1, how would the ecosystem change or be impacted? What changes could possibly occur?

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