



## Activity 17: Forests - Serious Issues, Hopeful Solutions

**What actions can be taken to address issues facing forests?**

### Materials

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- **Alberta's Fight Against Mountain Pine Beetles**

<https://www.agric.gov.ab.ca/app21/forestry?page?cat1=Mountain%20Pine%20Beetle%20in%20Alberta>

- **BrainPOP Video: Greenhouse Effect and Natural Resources**  
(username: 0099 password: students)

<https://www.brainpop.com/science/earthsystem/greenhouseeffect/>  
<https://www.brainpop.com/science/ourfragileenvironment/naturalresources/>

- **Government of Alberta: Impact of Forest Harvest**

[http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/apa3317](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/apa3317)

- **Forestry - Natural Resources Canada**

<http://www.nrcan.gc.ca/earth-sciences/geomatics/satellite-imagery-air-photos/satellite-imagery-products/educational-resources/9321>

- **Current Forest Issues - Inside Education**

<https://vimeo.com/77535455>

### Procedure

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1. Before you can suggest action on forest issues, you need to inform yourself about those issues.

Your first step is to research several websites, videos, and documents that offer information on the serious issues facing forests. Visit the websites listed above, and construct a list of issues and problems facing forests. Use the first two columns in the *Forest Issues and Solutions Table* to record what you find. Leave the third column blank for now.

Find five issues to add to the *Forest Issues and Solutions Table*. If you find more than that, that is even better!

2. After you have added at least five issues to your table, find ways to address those issues.

Complete the third column of the table with ideas for helping to overcome or fix the problems that the issue causes. For example, for the mountain pine beetle issue, your table might look like this:

<b>What is the forest issue?</b>	<b>What problem(s) is it causing?</b>	<b>Suggestions for addressing the issue</b>
Mountain Pine Beetle	Killing trees; beetles are spreading	Remove infested trees. Use eco-friendly chemicals to help trees defend themselves.

If you need to, you can review websites, videos, and documents to get ideas on how to help solve the forest issue problems.

### Forest Issues and Solutions Chart

What is the forest issue?	What problem(s) is it causing?	Suggestions for addressing the issue
Mountain Pine Beetle	Killing trees; beetles are spreading	