

Grade 6 Science Review

Trees and Forests

SLEs	Activities
<ul style="list-style-type: none"> • Identify reasons why trees and forests are valued <ul style="list-style-type: none"> ○ habitat for a variety of living things - interaction between trees and animals ○ human uses of forests and trees (past & present) ○ for raw materials ○ life-supporting environment ○ human actions that enhance and threaten forests 	<ul style="list-style-type: none"> • Human Uses of trees – list on right hand side • Edmonton Public Science – pg. 67 – 68 gives a list of past & present uses of forests • Create a cause and effect table comparing threatening and enhancing actions of humans follow with discussion (ex: attached)
<ul style="list-style-type: none"> • Photosynthesis • Nutrient cycle 	<ul style="list-style-type: none"> • Using the two sites below variables can be reviewed discussing changes made within the cycles (ex: what happens when sunlight is taken away?) • Diagram for photosynthesis & transpiration • Nutrient cycle Diagram
<ul style="list-style-type: none"> • Deciduous & Coniferous • Woody & Herbaceous (plant vs tree) 	<ul style="list-style-type: none"> • Tree ID – information of coniferous & deciduous, matching activity, identifying trees based on characteristics • Edmonton Public Science – pg. 38-39 gives a sample T-chart of differences
<ul style="list-style-type: none"> • Characteristics of native species • Leaf classification • Growth pattern of a tree 	<ul style="list-style-type: none"> • Parts of a tree – diagrams & pictures • Leaf classification – diagrams & pictures • Leaf Identification Key – questions using this key are attached • Tree cookie interactive – click on orb, interactive activities, tree game • Reading Tree cookies worksheet

Grade 6 Science Review

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<ul style="list-style-type: none">• Other interesting websites<ul style="list-style-type: none">○ A close activity study guide (pdf)○ National Geographic Videos reviewing SLEs○ This site looks at: deforestation, habitat, extinction, what is a forest, etc.	<ul style="list-style-type: none">• Study guide• National Geographic Science – login to Learn Alberta site, grade 6, science, national geographic• Seeing the Forests and the Trees
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Plant Identification Key

Using your knowledge and any resources you have used previously, try to identify the following trees.

I have single flat needles that are not in clusters:

I have alternating leaves with curved teeth:

I have alternating leaves with a large toothed lobed edge:

I have opposite leaves with a toothed edge:

I have single needle leaves in clusters:

I have alternating leaves with a fine-toothed edge that is pointed:

I have alternating single leaves with a smooth edge:

Grade 6 Science Review
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Plant Identification Key – Answer Key

Using your knowledge and any resources you have used previously, try to identify the following trees.

I have single flat needles that are not in clusters:

Balsam Fir

I have alternating leaves with curved teeth:

Aspen Poplar

I have alternating leaves with a large toothed lobed edge:

Wild Gooseberry

I have opposite leaves with a toothed edge:

Low-Bush Cranberry

I have single needle leaves in clusters:

Larch (Tamarack)

I have alternating leaves with a fine-toothed edge that is pointed:

Willow

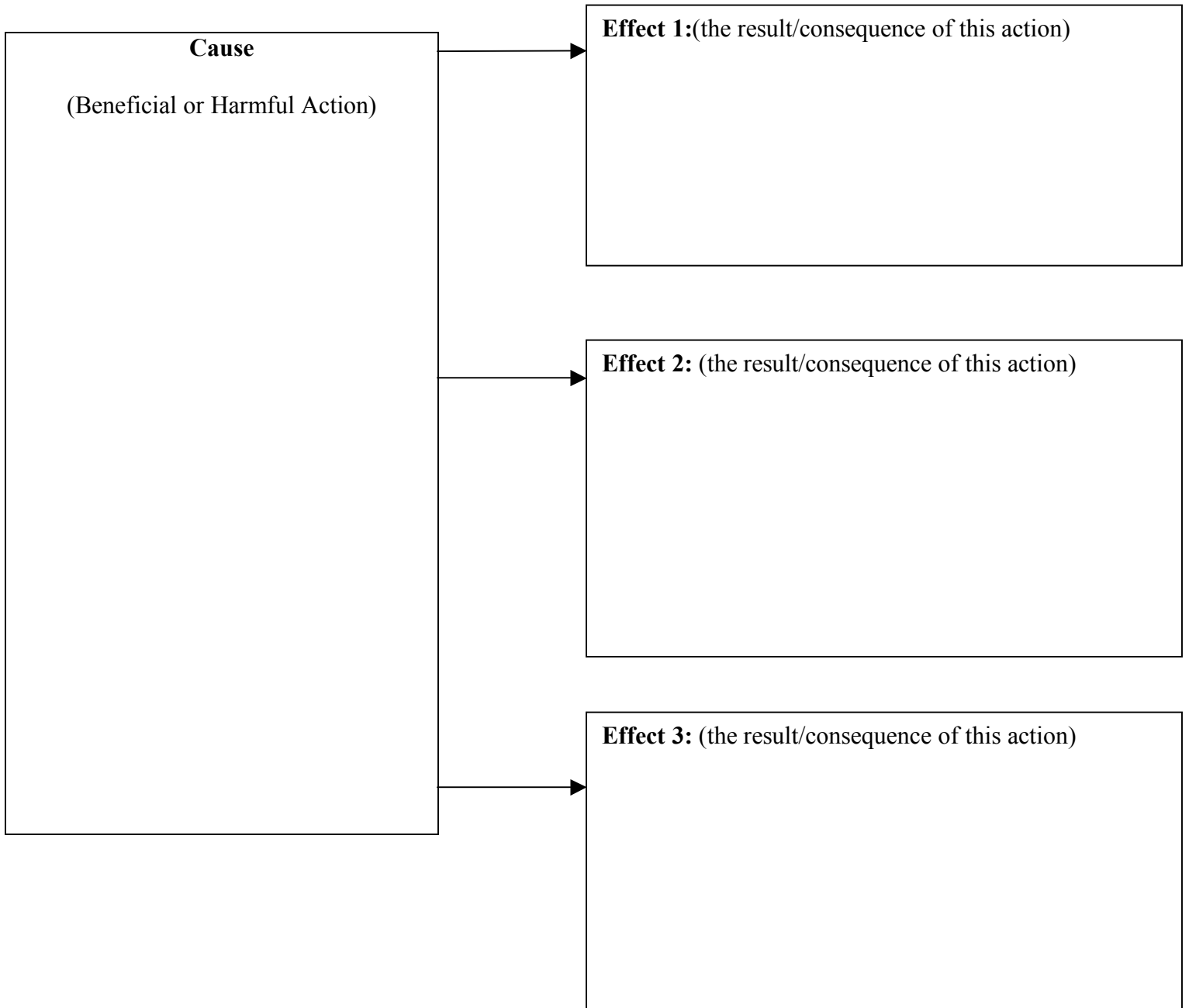
I have alternating single leaves with a smooth edge:

Labrador Tea

Grade 6 Science Review

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Actions that Enhance and Harm a Forest



Note: Students write a sentence to describe the action in the cause box. They can include a diagram or picture to accompany the explanation.