

# Memory Game

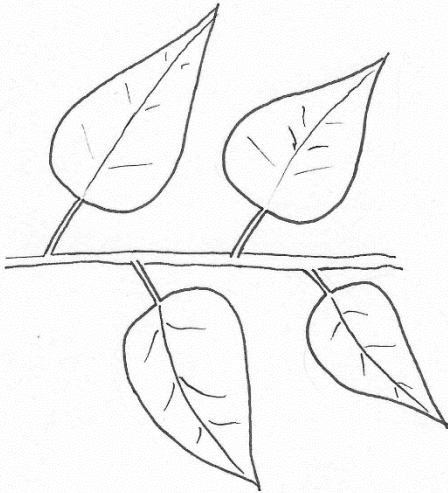
**Get to know native tree species of Alberta in this memory game!**

## **How to play:**

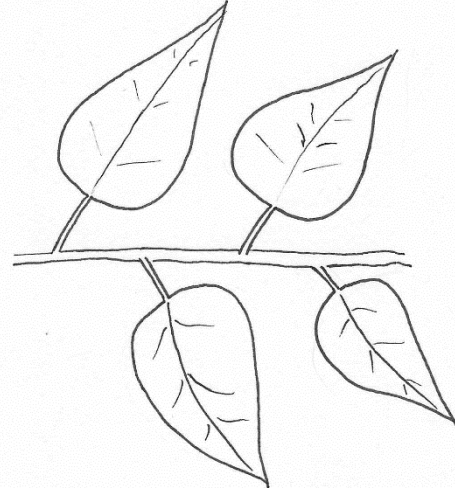
**Print off cards and cut them out. Place all the cards face down in a random grid. Then, one player at a time, take turns flipping two cards. The goal of the game is to flip two matching cards. If you flip a pair, you take them out of the grid and keep them in your pile. The person who flips the most pairs wins. If you flip two cards that are not matching, flip them back face down and the next player takes their turn.**



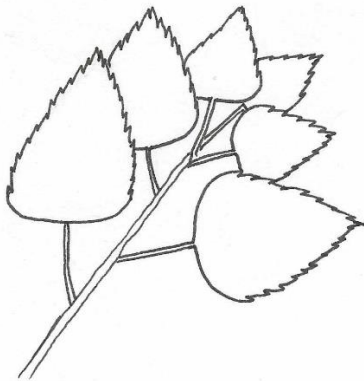
## Alternate Leaf Arrangement



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## Aspen Poplar



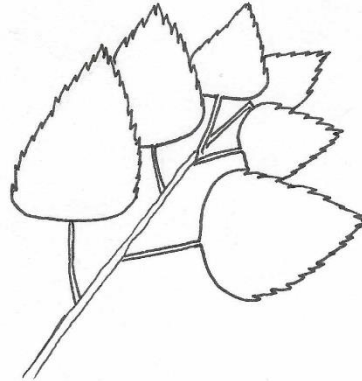
Leaf: Simple

Arrangement:  
Alternate

Bark: Green and white  
when young. Dark  
and rough when old

Aspen trees can  
produce an identical  
twin tree which grows  
a shoot from a root  
under the ground

## Aspen Poplar



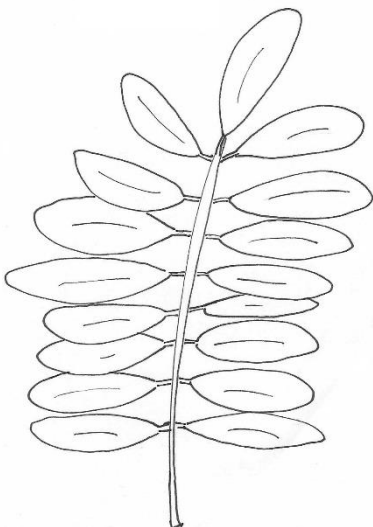
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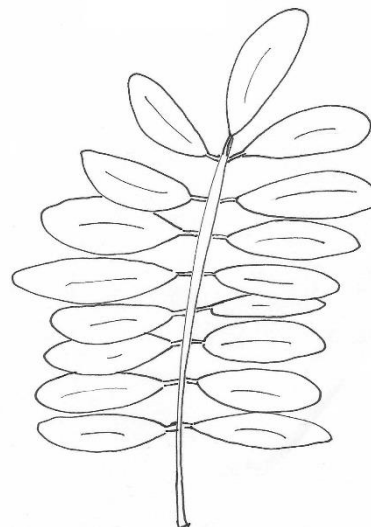
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## Compound Leaf



The small parts  
that form a  
compound leaf  
are called leaflets

## Compound Leaf

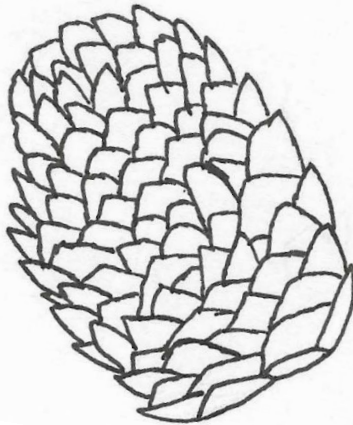


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## Cones

Cones are used by coniferous trees to spread their seeds.

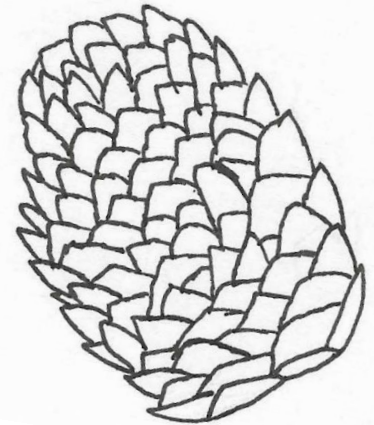
Did you know that some cones, like those from a lodgepole pine, need the heat of a forest fire in order to open and release their seeds?



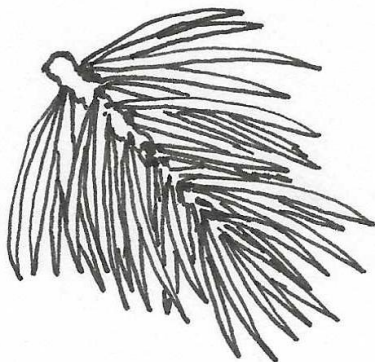
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## Lodgepole Pine



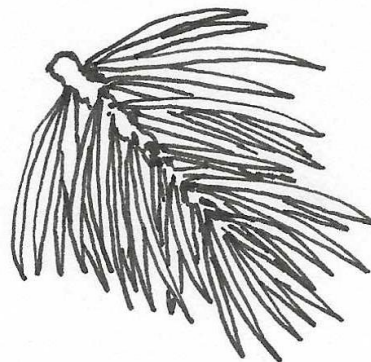
Needles: Long, between 3 to 7 cm

Sheathed Needles: always in groups of two

Branches point upwards

Provincial tree of Alberta

## Lodgepole Pine



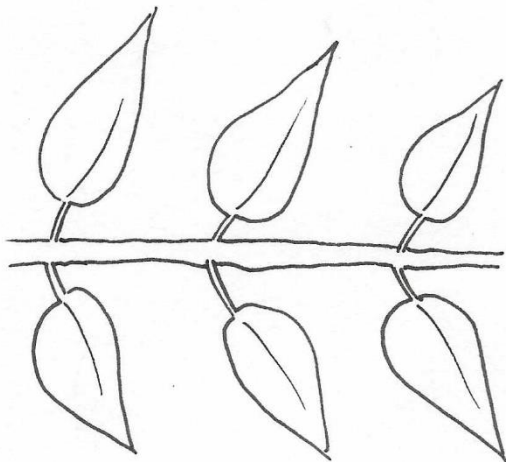
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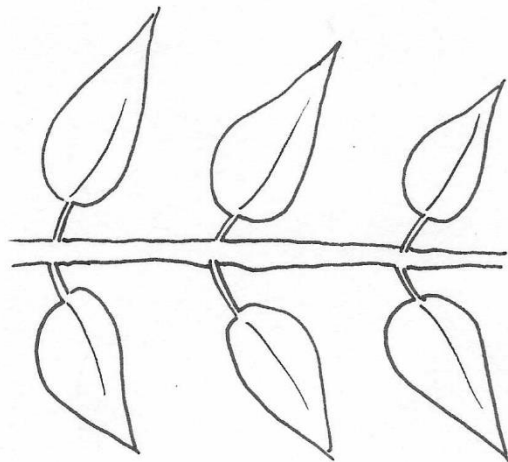
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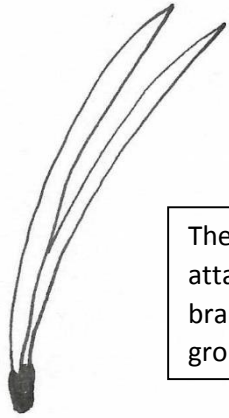
## Opposite Leaf Arrangement



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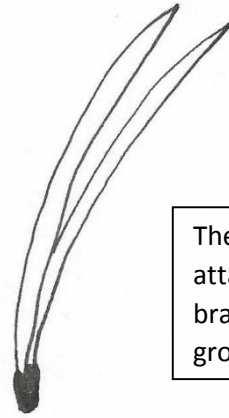


## Sheathed Needle



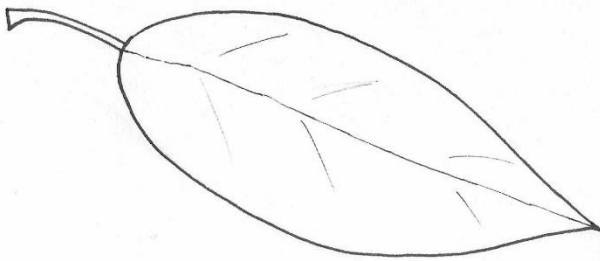
The needles are attached to the branch in groups of two

## Sheathed Needle

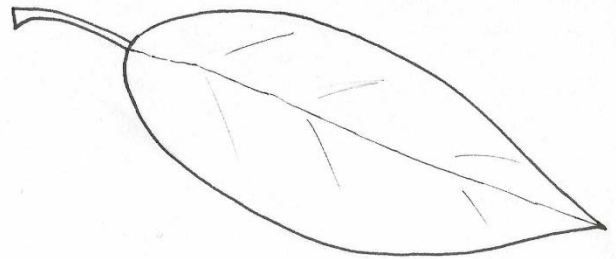


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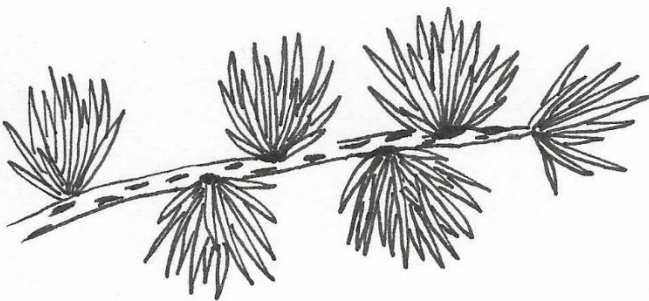
## Simple Leaf



## Simple Leaf



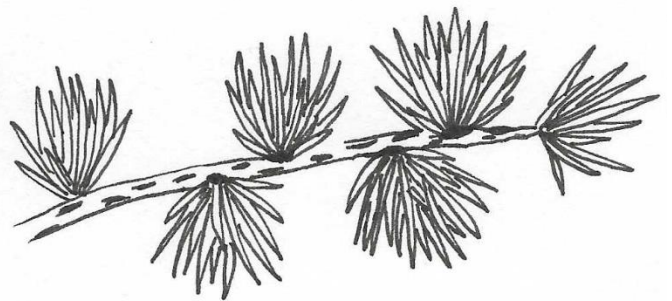
## Tamarack



Needles: short, soft needles, attached in groups of 10 or more

Did you know that Tamarack needles turn orange in autumn and fall off during winter?

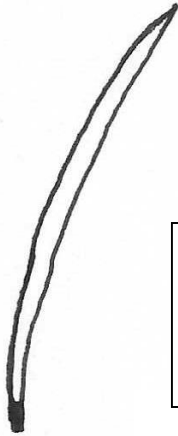
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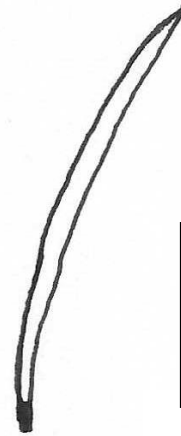
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## Unsheathed Needles



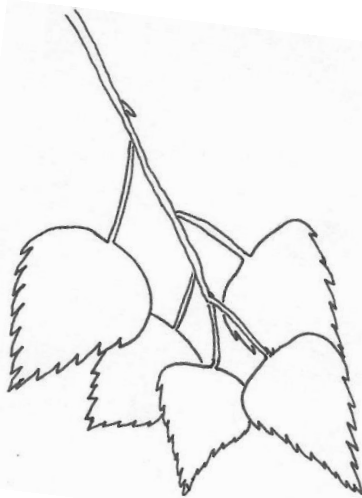
Needles are always attached to the branch in groups of one

## Unsheathed Needles



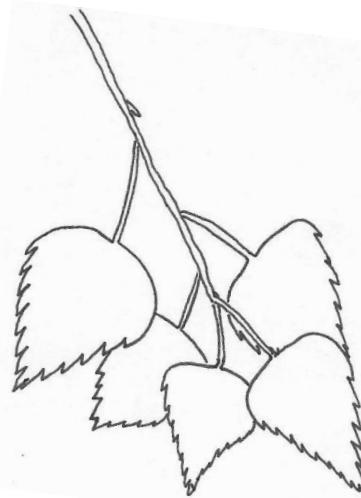
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## White Birch



Leaf: Simple  
Arrangement: Alternate  
Bark: white and thin, paper-like  
These trees look very similar to aspen trees. You can tell it's a birch by their paper-like bark that peels

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## White Spruce

Needles: 1 inch, square needles  
Unsheathed needles: always attached in groups of one  
Branches point straight out, not pointing up or dropping down



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