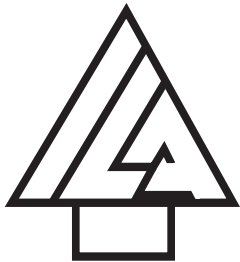


FACTS

- Trees are renewable, biodegradable, recyclable and environmentally friendly.
- There are more forests growing in North America today than on the first Earth Day in 1973.
- Each year in Canada, about 600 million seedlings are planted.
- Today, B.C. has more forests that are over a century old than it did 40 years ago - 25 million hectares.
- B.C. has laws and policies to protect wildlife and fish habitat and it has set aside 13% of its land base as parkland.
- The Western Red Cedar tree is B.C.'s official tree.



Co-Sponsored by the
Interior Logging Association
Vernon, BC

For further information contact the ILA
250-503-2199

FOREST EDUCATION VAN

Primary - Grade 2/3

ACTIVITY BOOKLET



Name: _____

Date: _____

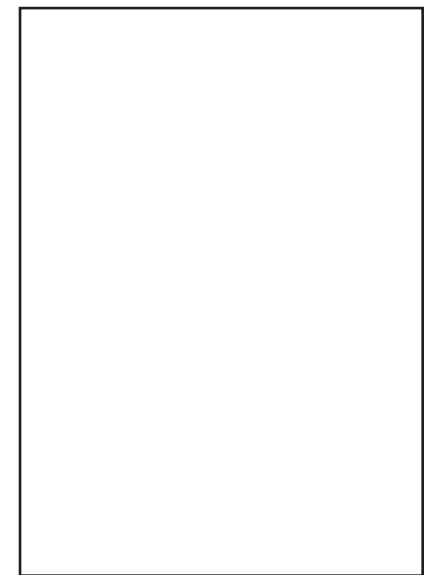
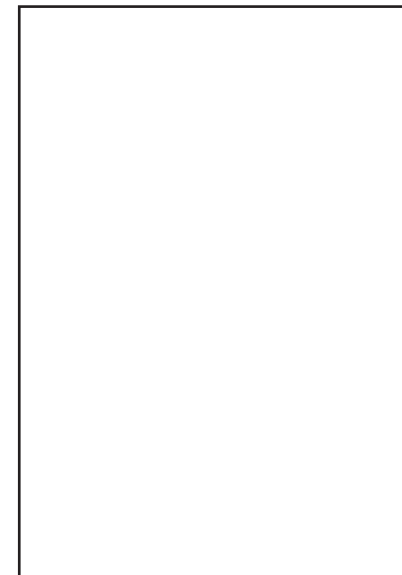
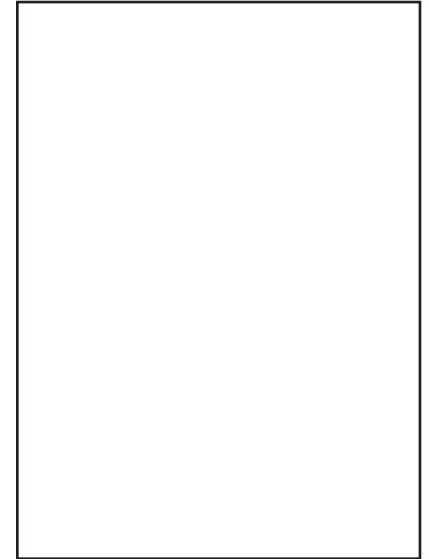
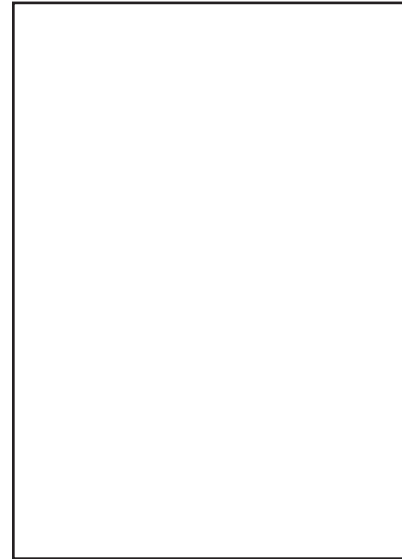
A History of Logging

1. Name or draw 1 or 2 ways of moving logs from one spot to another in the past.

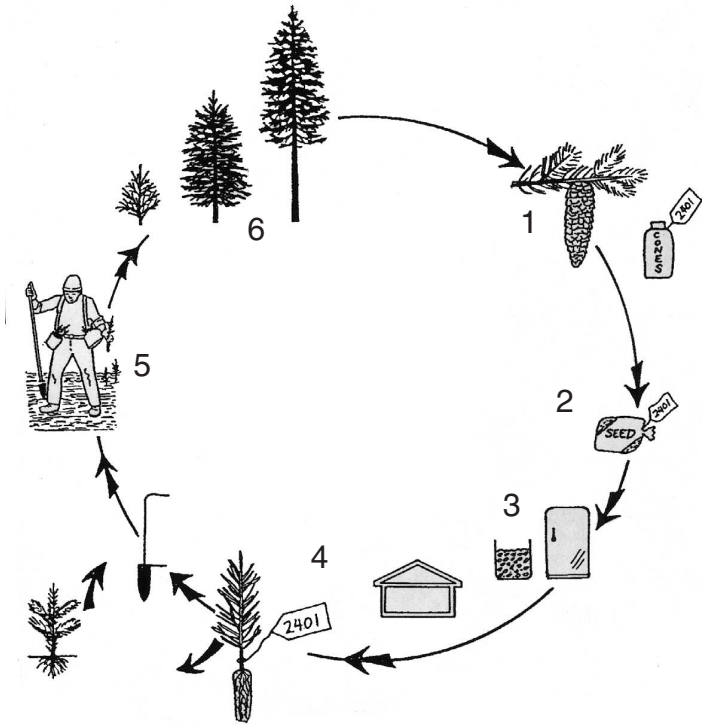
2. Draw a picture of a tool used to cut down trees in the past.

Wood Products

We get many wood products from trees. Draw some pictures or print the names of some of the products that you saw on display that come from trees.



Reforestation



Growing new trees

- | | |
|------------------------------|--------------------------------|
| 1. Seed cones picked | 4. Seeds in soil at greenhouse |
| 2. Seed taken from cones | 5. Trees planted in forest |
| 3. Seeds put in cold storage | 6. New forest |

Did you know:

- By law in BC, all logged areas must be reforested

Why do you think it's important to replant trees?

A Renewable & Sustainable Resource

1. Name or draw 1 or 2 ways of moving logs from one spot to another today.

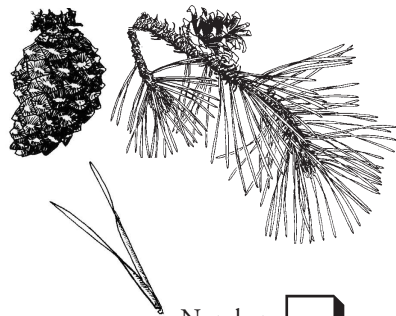
2. Draw a picture of one of the machines used to cut down trees today.

Tree Identification

Match the tree sample numbers to the information on this sheet.

Lodgepole Pine

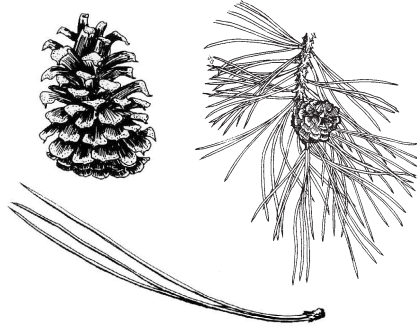
- Needles in clusters of 2
- Needles about 2 1/2 - 5 cm. long
- Bark is thin, scaly from orangey-brown to gray
- Cones are lopsided and smaller than Ponderosa pine cones



Number

Ponderosa pine

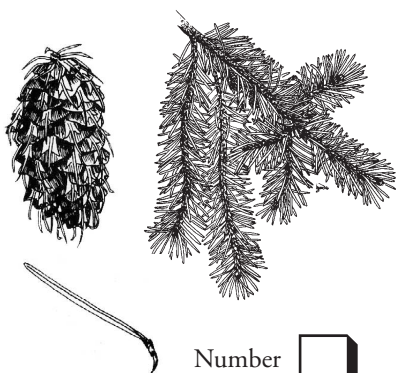
- Needles in clusters of 3
- Needles about 12-28 cm. long
- Bark is orangey-jigsaw shaped
- Cones are 7-14 cm. long



Number

Douglas Fir

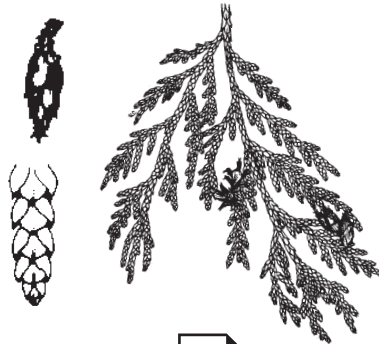
- Needles are flat, sharp pointed
- Needles are about 2 -3 cm. long
- Mature bark - has large grooves
- Cones have 3 pronged bracts



Number

Western Red Cedar

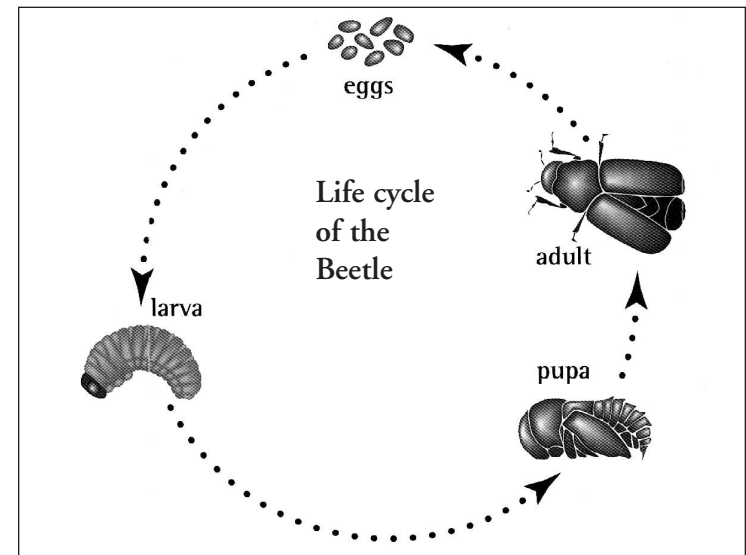
- Scale like leaves that overlap like shingles
- Cones are egg shaped
- Bark is stringly - can be peeled



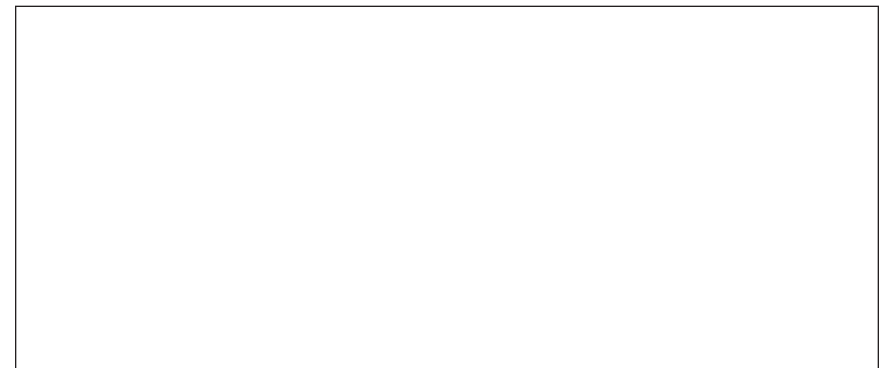
Number

Beetles

- Bark beetles can kill trees. These pests will dig in under the bark building tunnels that cut off the food supply for the tree. If a large number of beetles attack a tree, it will die.
- The beetles like to attack trees that are weak. The tree tries to fight off the beetle by sending pitch out through the holes that the beetle digs.
- Fire and cold winters help to control the size of the beetle population.

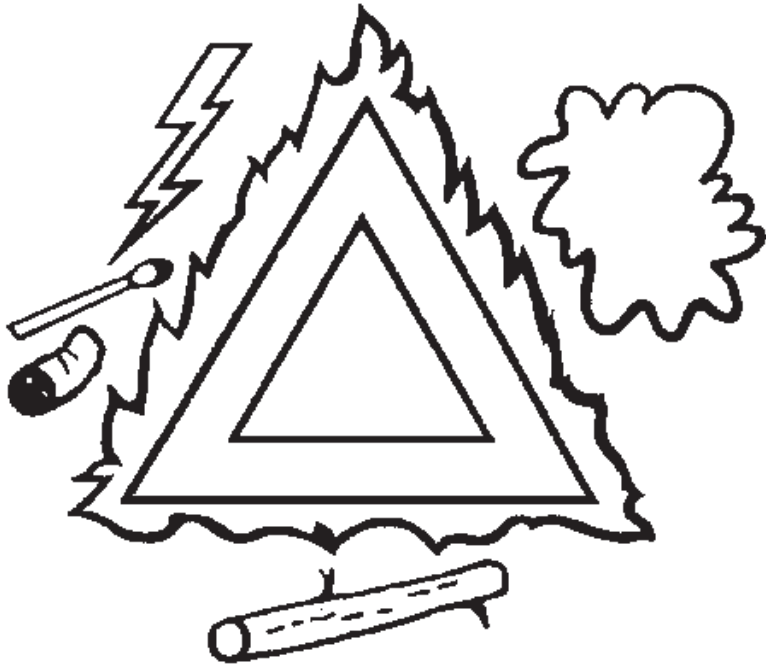


Draw a picture of a gallery created by beetles.



Fire

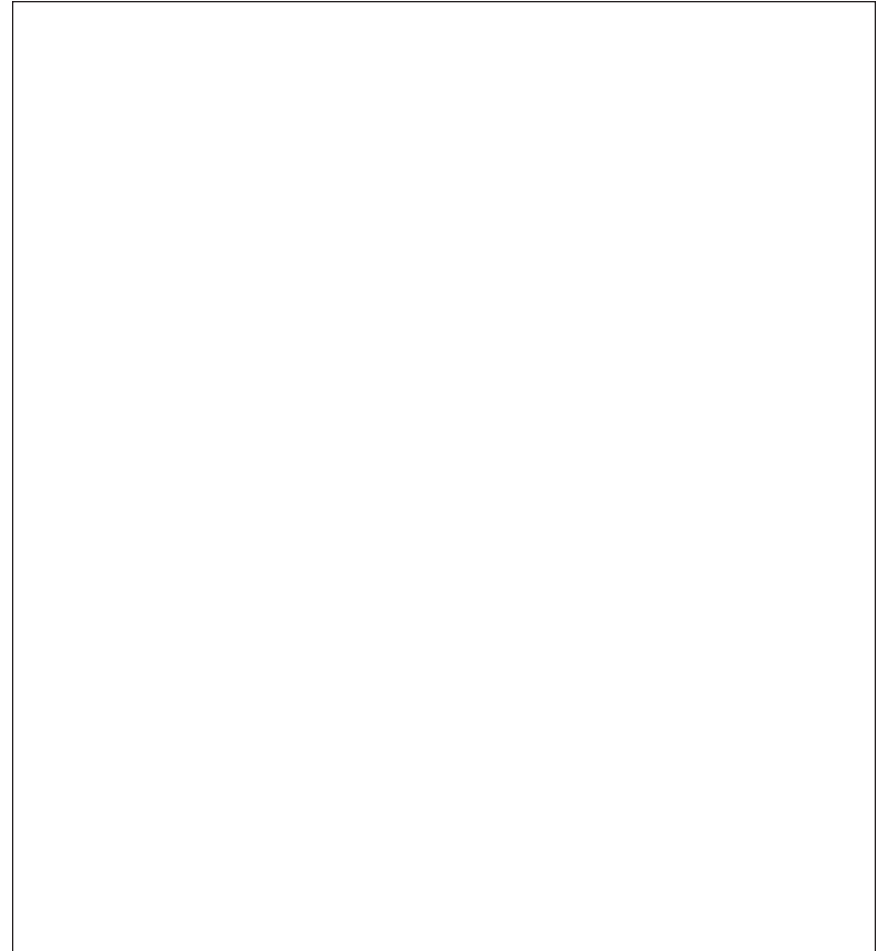
- Fire needs heat, fuel and oxygen before it can burn.
- Forests are always changing. Fire is one of nature's ways of bringing about this change.
- Fire is nature's way of getting rid of the underbrush that can build up in an older forest. This dry underbrush can become fuel for fire.
- Fire is one of nature's ways of controlling bugs that are attacking our forest.



Along the 3 sides of the triangle, name the 3 things that are needed for fire to happen.

Wildlife Trees

- Wildlife Trees supply food and shelter for animals
- For every area logged, plans are made to leave wildlife trees or tree patches
- Draw a wildlife tree. Include some of the animals that you saw on the tree.



Woodpecker
Squirrel
Raccoon
Chickadee

Salamander
Eagle
Owl
Nuthatch

Inside - What I Know

How do people use the forest?

What I know before the van tour.

What I learned from the van tour.

Machines

1. Draw one machine that is used for logging. Tell what your machine is used for.

2. Create a machine for the future that will replace the machine above. Give it a name.