

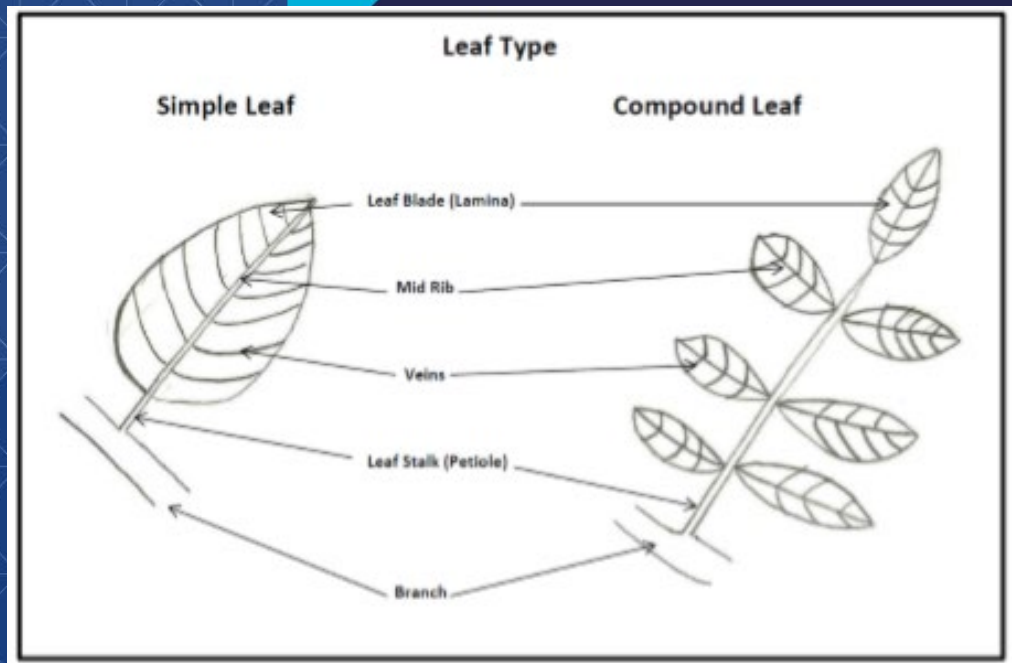
MIC: EXPLORING PLANT LIFE IN YOUR ENVIRONMENT

Leaves

Take a look at the leaves on the
trees/shrubs around where you live.

Can you spot a tree/shrub with a simple
leaf?

Can you spot a tree/shrub with a
compound leaf?













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Leaf Shape

<p>Compound Leaflets</p>  <input type="checkbox"/>	<p>Lobed</p>  <input type="checkbox"/>	<p>Finger-like</p>  <input type="checkbox"/>
<p>Oval-Smooth Edges</p>  <input type="checkbox"/>	<p>Oval-Toothed Edges</p>  <input type="checkbox"/>	<p>Heart Shaped</p>  <input type="checkbox"/>
<p>Oval & Long</p>  <input type="checkbox"/>	<p>Nearly Round</p>  <input type="checkbox"/>	<p>Prickly</p>  <input type="checkbox"/>
<p>Needles</p>  <input type="checkbox"/>	<p>Did you find any other shape</p>	<p>Did you find any other shape</p>

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Leaves

Take a look at leaves on the trees/shrubs around where you live.

Can you spot trees/shrubs with the follow leaf shapes?



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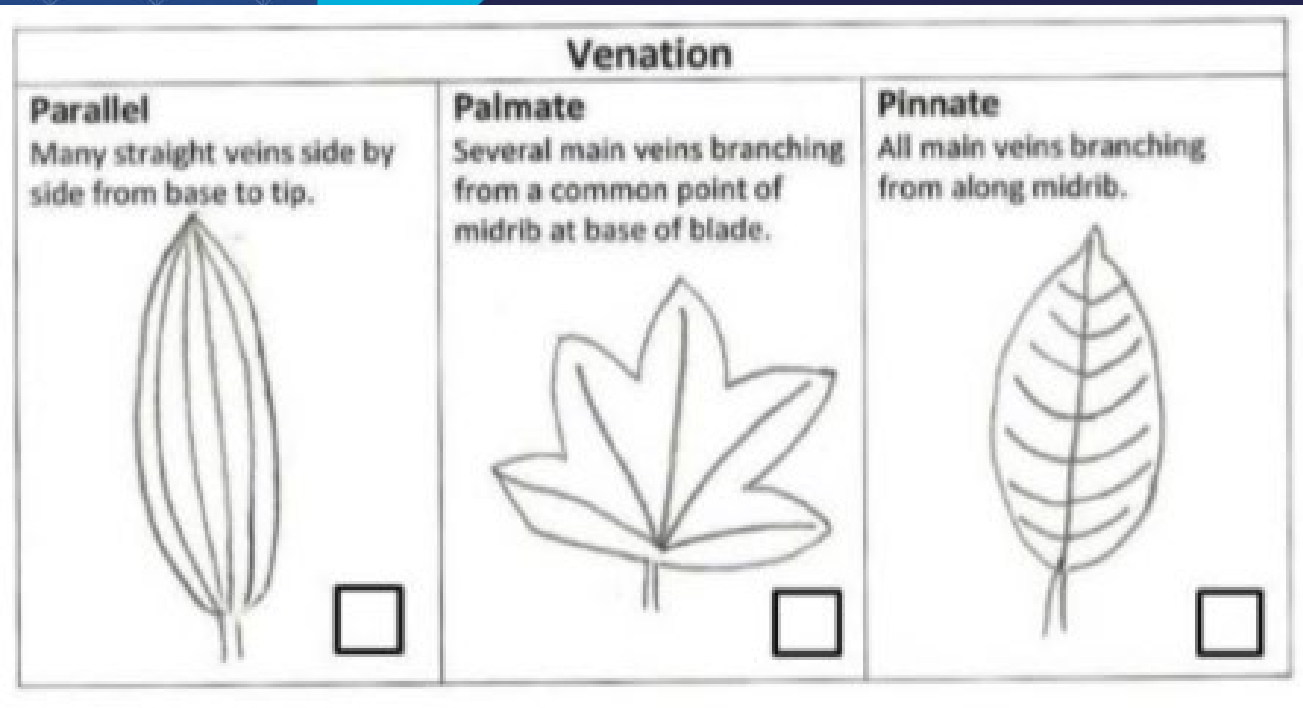
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Leaves

Take a look at leaves on the trees/shrubs around where you live.

Can you spot leaves with the following venation patterns?



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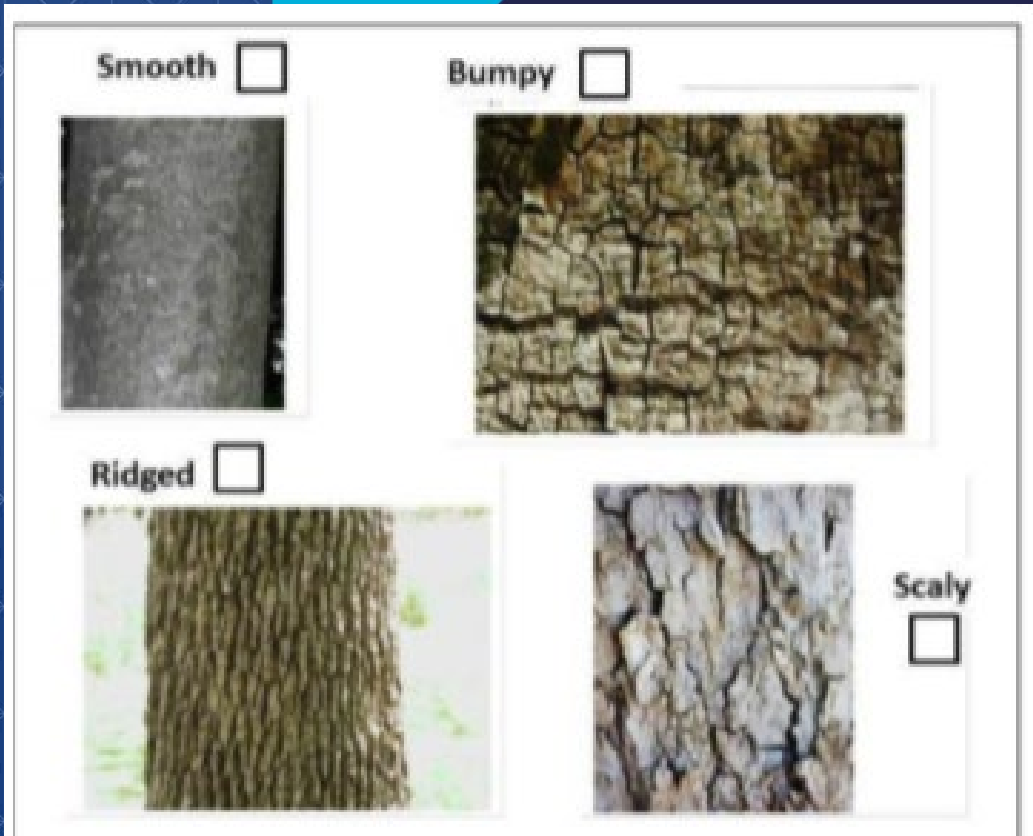
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MIC: EXPLORING TREES IN YOUR ENVIRONMENT

Trees

Take a look at the trees around
where you live.

Can you spot a tree with the
following barks?


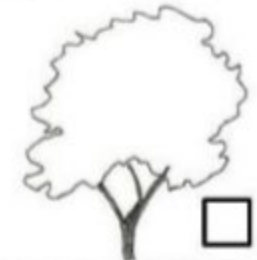
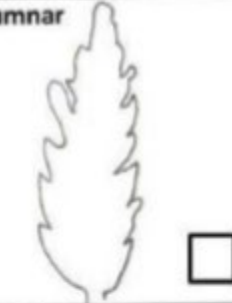
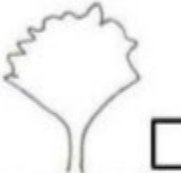
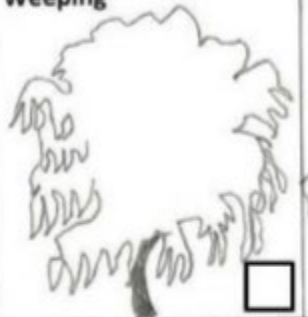

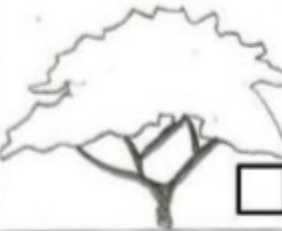
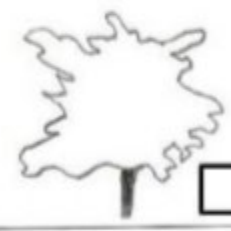



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Tree Shape

Pyramidal  <input type="checkbox"/>	Round  <input type="checkbox"/>	Columnar  <input type="checkbox"/>
Vase  <input type="checkbox"/>	Weeping  <input type="checkbox"/>	Layered  <input type="checkbox"/>
Broad  <input type="checkbox"/>	Spreading  <input type="checkbox"/>	Shrubby  <input type="checkbox"/>
Did you find any other shape 		

MIC: EXPLORING TREES IN YOUR ENVIRONMENT

Take a look at the trees around
where you live.

Can you spot a tree with these
different shapes?



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MIC: EXPLORING TREES IN YOUR ENVIRONMENT

The following activities are used to estimate the height of the tree, every group member must carry out each activity, estimate and record the height of the tree into the worksheets*.

1. Estimate the height of the tree by getting one of your group members to stand beside the trunk and at a distance, the other members of the group person use their forefinger and thumb to estimate how many of the person would it take to reach the top of the tree.
2. Now measure the height of the person under the tree using metre stick/measuring tape and multiply his/her height in metres to get an estimate of how tall the tree really is.



Can you estimate the height of a tree around where you live?



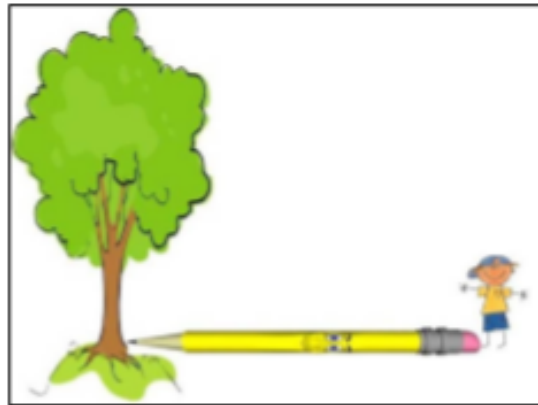
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1. Start at the base of the tree, step backwards until you are father away from the tree than the tree's base from the top.
2. Ask a group member to stand next to the tree's base.
3. Hold a pencil straight up by its point. Close one eye and hold the pencil so that it lines up with the tree.
4. Move backwards until the pencil looks as tall as the tree.
5. Carefully turn the pencil sideways, keeping your thumb lined up with the tree trunk. Your pencil should look as if it is lying on the ground.
6. Ask your friend to walk away from the tree in the direction of the pencil. Tell your friend to stop when it looks as if he or she is lined up with the end of the pencil.
7. Measure the distance between your friend and the tree's base. This will be the approximate height of the tree.

Average Estimate: _____ m



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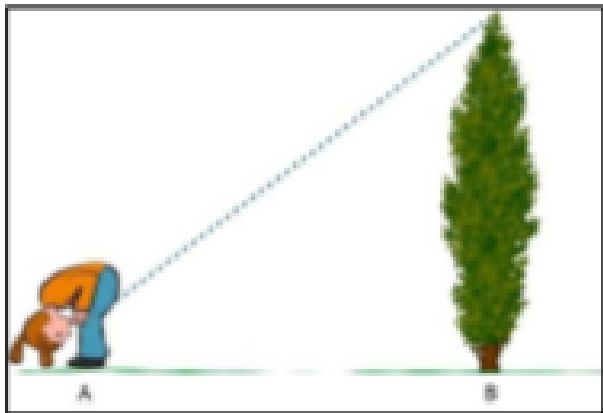
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Can you estimate the height of
a tree around where you live?

1. Bend over and look between your legs.
2. Move forward until the top of the tree can be seen through your legs.
3. The distance AB should give you an estimation of the height.



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Most trees put on approximately 2.5cm girth (width of trunk) per year, under the bark. Trees in areas of less light will not grow as much for example trees in a dense woodland might only grow up to 1.5cm wider per year and in an avenue they might grow only 2cm wider a year. Some trees like oak and beech grow slowly where as some grow faster for example chestnut and pine.

Make a prediction on how old you think your tree is: _____ years old.

1. We do not want to cut down the tree to count the number of rings in it's trunk to calculate how old the tree is. We will use another method. Follow the steps below to calculate a very rough estimate of how old your tree could be:
2. Measure the width of the tree trunk (girth) in cm using a tape measure. Measure this along the truck from about 1m from the ground.
3. Divide the circumference by either 1.5, 2 or 2.5 cm depending on the how dark the area is (for the darker area divide by 1.5 cm, for a bright area divide by 2.5cm).

Calculation

Estimated age of our tree:

Was the estimated age near the age you predicted?

Can you estimate the age of a tree around where you live?



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