Is It a Tree?

NAME: ____________________________

A

B

C

D

E

F

G

H

I
Rodney the Root Says…

Finish my tree!

NAME: ___________________________
Explore Tree Shapes

Cut out the shapes below and paste them on a tree that matches each shape.

NAME: _______________________

oak
spruce
maple
cypress
cedar
crab apple

---

circle
rectangle
triangle
Parts of a Tree

Label the parts of the plant below. Use the word bank to help you.

Word bank: roots trunk leaves branches

[Tree diagram with blank labels for parts: roots, trunk, leaves, branches]
Botany: Parts of a Tree

Match the same parts of the tree.

- tree
- leaves
- branches
- trunk
- roots
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>trunk</td>
<td><img src="image1.png" alt="image" /></td>
</tr>
<tr>
<td>leaves</td>
<td><img src="image2.png" alt="image" /></td>
</tr>
<tr>
<td>home</td>
<td><img src="image3.png" alt="image" /></td>
</tr>
<tr>
<td>bark</td>
<td><img src="image4.png" alt="image" /></td>
</tr>
<tr>
<td>fire</td>
<td><img src="image5.png" alt="image" /></td>
</tr>
<tr>
<td>carbon dioxide</td>
<td><img src="image6.png" alt="image" /></td>
</tr>
<tr>
<td>fall</td>
<td><img src="image7.png" alt="image" /></td>
</tr>
<tr>
<td>deciduous</td>
<td><img src="image8.png" alt="image" /></td>
</tr>
<tr>
<td>beautiful</td>
<td><img src="image9.png" alt="image" /></td>
</tr>
<tr>
<td>branch</td>
<td><img src="image10.png" alt="image" /></td>
</tr>
</tbody>
</table>
Types of Trees

To Do

Choose a **deciduous** tree in your school grounds, or near your school.

What is the name of the tree? _______________________

In autumn, you can observe the **leaves** and **fruits**.

In winter, you can observe **bark**, **twigs** and **buds**.

In spring/early summer, you can observe **new leaves** and **flowers**.

These may be in the form of **catkins**, depending on the species.

This is a leaf from an **evergreen** tree.

What tree is it from? _______________________

Conifers

These are very common in cold countries where there is a lot of snow in winter.

The trees are shaped like this so that a heavy fall of snow does not break the branches.

Name a country in Northern Europe with a cold climate where these trees grow.

______________________________
How new trees grow

Trees grow from seeds. They need light and space to grow, so they must get away from under the parent tree. This happens in two ways in the natural environment.

• **The wind** blows the seeds away from the parent tree. These seeds have wings to help them fly.

• **Animals and birds** take the seeds away from the parent tree. They collect the seeds to eat but sometimes they don’t eat them all. The ones that are left may grow into new trees.

Squirrels collect hazel nuts.

Jays collect acorns.

Mice collect beech nuts and chestnuts.

Some seeds must be eaten before they can grow. These are the very hard seeds in the centre of a juicy fruit such as elder, blackberries and haws.

Elderberries

Blackberry

Haws

These hard seeds are not digested when the bird eats the fruit. The seed grows from the bird’s droppings.
Birds, animals and insects use trees for three reasons.

- They can find their **food** there.
- They can have their **homes** there.
- They can **rest and sleep** there.

All parts of the tree are used in these ways.

**Food**

The leaves, fruits and seeds of a tree are food for caterpillars, greenflies, squirrels, blackbirds and mice.

- **Caterpillars** eat green ___ ___ ___ ___ ___ ___ .
- **Squirrels** eat ___ ___ ___ ___ ___ ___ ___.
- **Greenflies** suck ___ ___ ___ ___ ___ ___ ___ .
- **Mice** eat ___ ___ ___ ___ ___ ___ which they find under the tree.

Red ___ ___ ___ ___ ___ ___ are food for blackbirds.

Creatures that feed on parts of a tree are called **herbivores**.

**Word Bank**

hazel nuts leaves acorns berries leaf juices
Some birds, animals and other wildlife come to trees to eat the herbivores.

Animals that eat other animals are called **carnivores**.

**Spiders** eat greenflies.

**Owls** eat mice.

**Sparrowhawks** eat blackbirds.

**Pine martens** eat squirrels.

**Robins** eat caterpillars.

**Carnivores** are animals that eat other animals.

**Make a list** of all the carnivores you can see here.

1. __________________________
2. __________________________
3. __________________________
4. __________________________
5. __________________________

**Spiders** eat greenflies.
Homes

Birds such as robins, thrushes and magpies build nests in trees.

Blue tits, bumble bees and bats live in holes in the trunk.

Slugs and spiders live in cracks in the bark.

Mice and beetles make burrows under the roots.
Resting and Sleeping

Rooks and starlings crowd together in flocks on the branches of trees to keep warm in winter.

Pigeons sleep in trees at night and go off to fields to feed during the day.

Snails rest under the bark of the tree during the day. They feed on plants and grasses on the ground at night.