

# Vocabulary List

<b>Cambium</b>	the growing part of the trunk
<b>Caramelization</b>	the process of sugars cooking and darkening, increases the sweetness
<b>Conservation</b>	the act of protecting habitat, an added value of the maple syrup industry
<b>Evaporation</b>	the process of a liquid being heated and converted into a gas
<b>Leaves</b>	the main organs of photosynthesis, have five points on a maple tree
<b>Native Americans</b>	the first people that lived in America and discovered maple syrup
<b>Phloem</b>	the pipeline that carries the sugars from the leaves down to the rest of the tree and roots
<b>Photosynthesis</b>	the process by which green plants use energy from the sun to convert CO <sub>2</sub> from the atmosphere and H <sub>2</sub> O from the soil into sugar and oxygen
<b>Samara</b>	winged seeds of the maple tree
<b>Sap</b>	the fluid, comprised of 98-99% water with dissolved sugars and minerals that circulates in the maple tree and is the raw material in maple syrup production
<b>Sapwood</b>	the pipeline that carries the water and nutrients from the roots up to the leaves, as new layers develop the inner layers die and become heartwood
<b>Solar Energy</b>	energy from the sun used to power technology that helps maple producers monitor their sap collection systems
<b>Spile</b>	a small wooden or metal spout that allows sap to drip into a bucket
<b>Steam</b>	the gaseous form of water
<b>Sustainability</b>	maintaining a responsible rate or level of a natural resource to avoid using it all up
<b>Syrup</b>	the product of evaporating water from sap, making it much stickier and sweeter

