

Vocabulary List

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

