

Vocabulary -Parts of a Tree

Temperate Zone	The part of the earth's surface lying between the tropic of Cancer and the Arctic Circle in the Northern Hemisphere or between the tropic of Capricorn and the Antarctic Circle in the Southern Hemisphere, and characterized by having a climate that is warm in the summer, cold in the winter, and moderate in the spring and fall.
Phloem	A layer of cells in higher plants that conducts synthesized food substances to all parts of the plant
Xylem	A plant tissue that conducts water and mineral salts from the roots to all other parts, provides mechanical support, and forms the wood of trees and shrubs
Cambium	A layer of delicate tissue between the inner bark and the wood which produces new phloem on the outside and new xylem on the inside in stems, roots, etc., and forming the annual rings of wood.

Vocabulary -Climate

Paleoclimatology	The scientific study of climatic conditions, along with their causes and effects, in the geologic past. These conditions are reconstructed on the basis of evidence found in the geologic record, especially in the form of glacial deposits, fossils, sediments, and rock and ice cores.
Dendrochronology	The science dealing with the study of the annual rings of trees in determining the dates and historical order of past events.
Precipitation	Rain, snow, sleet, dew, hail, etc., formed by condensation of water vapor in the atmosphere.
Dendro-ecology	The application of tree-ring data and methods to address ecological questions. Involves reconstructing forest and fire histories across vegetation, landscape, and regional conditions, and investigates forest changes possibly caused by climate variability and human land use.
Temperature	A measure of the warmth or coldness of a substance or an object with reference to some standard value.
Climate	The composite of generally prevailing weather conditions of a region, (temperature, air pressure, humidity, precipitation, sunshine, cloudiness, and winds), throughout the year, averaged over a series of many years.
Weather	The day-to-day meteorological conditions, especially temperature, cloudiness, and rainfall, affecting a specific place
Emissions	Smoke-like airborne particles released into the atmosphere by burning fuels and other materials

Harvest Vocabulary

Felling	Removing or cutting the tree from stump
Processing:	
Delimiting	Removing branches
Topping	Removing the skinny tree top down to minimum log diameter
Bucking	Cutting the tree stem into log lengths
Extraction (also skidding or forwarding)	Moving the log from the woods to a landing or area where trucks can be loaded.
Loading	Sorting and placing logs into transport system like truck, train, or ship
Milling	Cutting logs into boards and shaping wood
Biomass	A measurable quantity of organic material (from a formerly living source - usually plants), in a given area