



Tree Cards: Tree Functions

(Print two copies on yellow paper and cut into 22 individual cards)

<p>Captures sunlight and carbon dioxide to produce food for the tree, using the process of photosynthesis</p>	<p>Outer layer of the tree that protects it from weather, animals, insects, fire, and disease</p>	<p>Transports water and nutrients from the roots up the trunk to the leaves; also called sapwood</p>	<p>Spreads out leaves so they receive sunlight; where upward growth takes place and new buds are formed</p>
<p>Contains an embryo and nutrients to produce new offspring/trees</p>	<p>Transports sugars (food) from the leaves down to the roots and branches; also called inner bark</p>	<p>Exchanges pollen with other trees to fertilize the next generation; enables the tree to produce seeds</p>	<p>Grows to bring leaves above competing trees so they are in contact with sunlight; supports branches</p>
<p>Absorbs water and nutrients from the soil and anchors the tree in the ground to provide support</p>	<p>Found between the phloem and xylem, a “growth layer” of cells that produces a new layer of xylem and phloem each year</p>	<p>Provides support for the tree; actually dead wood at the very center of the tree</p>	