

What are the trees doing?

DIRECTIONS:
For the red maple, dogwood, and white oak, circle the pictures in each category below that best represents how each tree currently appears.

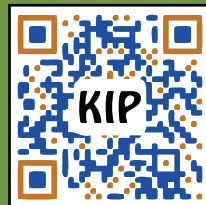
Leaves For each leaf phenophase, the phase period is determined by how many leaves are affected by seasonal changes. Leaf phenophases observe how many leaves are on the tree and what color the leaves are. Below is the scale to determine each phase period.

None — Nothing is happening to the leaves in this phase
 Early — Only a few leaves are being affected in this phase
 Middle — Many leaves are being affected in this phase
 Late — Most of the leaves are being affected in this phase

Flowers Are there flowers on the tree? If you see a few flowers beginning to bloom, the flowers are probably in the early period of the phenophase. In the middle, most flowers are in bloom and producing pollen. And in the late period, the flowers are wilting and falling off. If there are no flowers, circle none.

Fruit Fruit comes after the flowering phenophase. Early on, only a few ripe fruit will be seen. In the middle, period many fruits will be ripe. And in the late period, most of the fruit will have fallen from the tree. If there is no fruit on the tree, circle none.

TRACK your hike at kidsinparks.com and get **FREE** prizes!



Follow us on **Facebook!**



Changes in Trees



Throughout the year, many deciduous trees go through seasonal changes. These periods of change are called phenophases. Phenophases can be observed in trees through the color and amount of leaves, or by whether or not flowers or fruit are present. Scientists look at phenophases to determine if climate change is affecting a tree's normal seasonal changes. Use this brochure to learn what scientists observe when looking at tree phenophases.

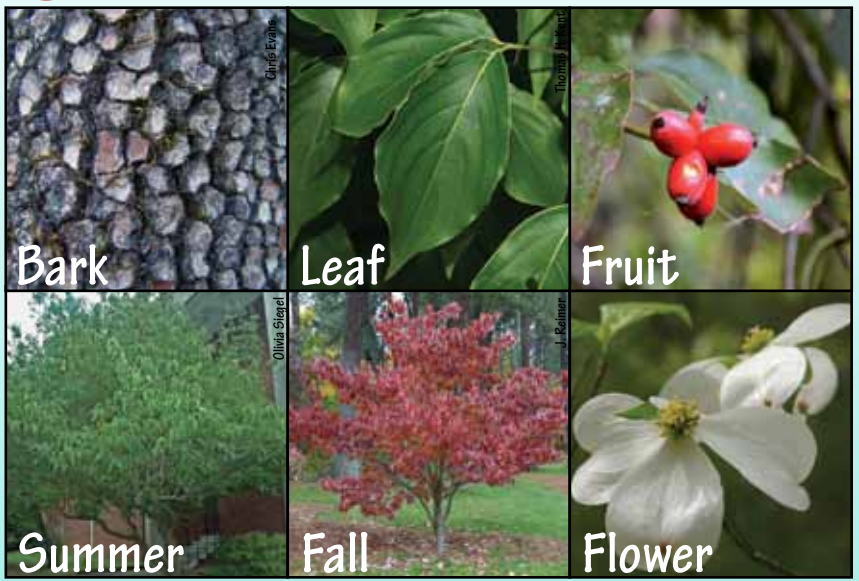
Red Maple (Acer rubrum)



None Early Middle Late

Leaves unfolding How many leaves are on the tree?				
Leaves changing color How many leaves have changed color?				
Leaves dropping How many leaves have fallen?				
Flowers What period are the flowers in?				
Fruit What period are the fruit in?				

Dogwood (Cornus florida)



None Early Middle Late

Leaves unfolding How many leaves are on the tree?				
Leaves changing color How many leaves have changed color?				
Leaves dropping How many leaves have fallen?				
Flowers What period are the flowers in?				
Fruit What period are the fruit in?				

White Oak (Quercus alba)



None Early Middle Late

Leaves unfolding How many leaves are on the tree?				
Leaves changing color How many leaves are a different color?				
Leaves dropping How many leaves have fallen?				
Flowers What period are the flowers in?				
Fruit What period are the fruit in?				