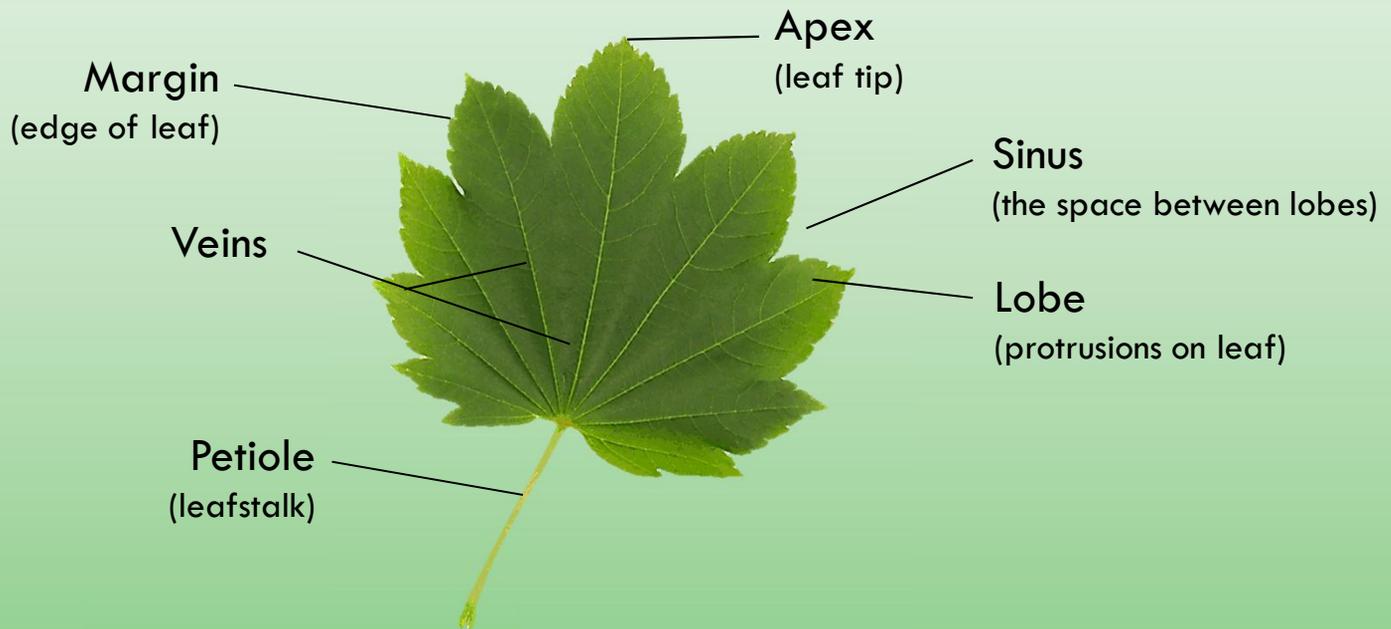


# Forest Ecosystem Science Laboratory

## Leaf Reference Guide

### Parts of a Leaf



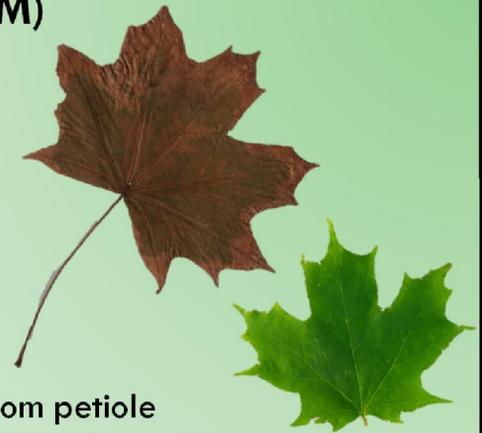
### Red Maple (RM)

- Palmate veins
- 3-5 palmate lobes
- Irregularly serrated margins
- Distinct light coloration below leaf
- 5 main veins stemming from petiole



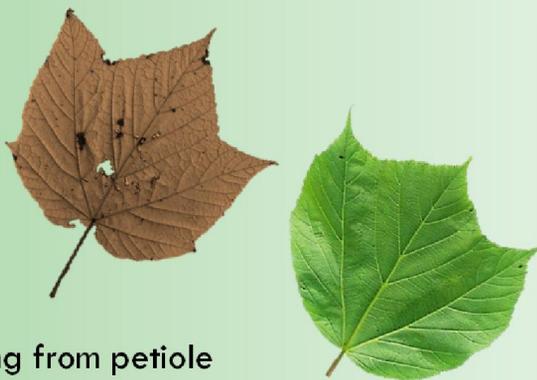
### Sugar Maple (SM)

- Palmate veins
- Smooth margins
- U-shaped sinuses
- 3-5 palmate lobes
- 5 main veins stemming from petiole



### Striped Maple (Str. M)

- Paper thin
- Palmate veins
- Serrated margins
- "Duck foot" shape
- 3 main veins stemming from petiole



### American Beech (BE)

- Pinnate veins
- Papery in texture
- Veins line up with serrations (teeth)
- Veins reach end of the leaf margin
- Generally largest leaves in sample



### White Birch (WB)

- Flat leaf base
- Uneven serration
- Pinnate veins (5-9 veins)
- Veins reach end of leaf margin
- Spade shaped- base is widest part of leaf



### Yellow Birch (YB)

- Uneven, fine serration
- Pinnate veins (9-11 veins)
- Narrow leaf base and apex
- Veins reach end of leaf margin
- Veins do not line up with serrations

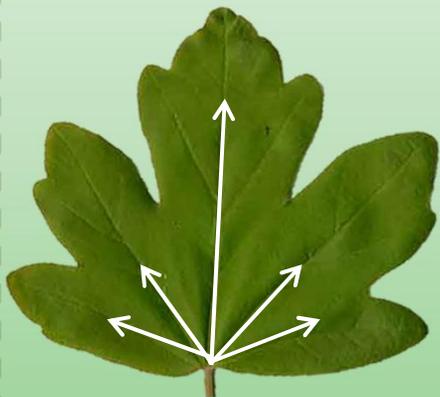


# Forest Ecosystem Science Laboratory

## Leaf Reference Guide

### Leaf Terminology

#### Leaf Venation



Palmate

vs.



Pinnate

#### Leaf Margin



Serrated



Entire



Lobed

### Quaking Aspen (QA)

- Spade shaped
- Palmate veins
- Serrated leaf margin
- Veins end before leaf margin



### Bigtooth Aspen (BTA)

- Spade shaped
- Palmate veins
- Veins end before leaf margin
- Toothed serrations larger than Quaking Aspen



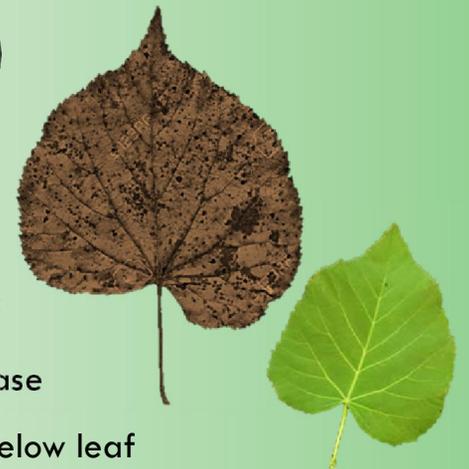
### Pin Cherry (PC)

- Pinnate veins
- Thin and long in shape
- Very finely serrated leaf margin
- Veins end before leaf margin
- Generally smallest leaf in the sample



### Basswood (Bass)

- Distinctly rounded
- Finely serrated margins
- Short tip at apex of leaf
- Uneven, heart-shaped base
- Distinct light coloration below leaf



### Ash (Ash)

- Pinnate veins
- Serrated leaf margin
- Veins end before leaf margin
- Distinct light coloration below leaf



### Oak (Oak)

- Palmate veins
- U-shaped sinuses
- Smooth leaf margin
- More elongated than maple
- Veins end before leaf margin

