

A close-up photograph of several green leaves with serrated edges, likely from a deciduous tree. The leaves are arranged in a cluster, with some overlapping. The background is a bright, slightly hazy sky. The word "Forestry" is overlaid in a black serif font in the center of the image.

# Forestry

2012 MSO Coaches' Clinic



# Introduction

1. **DESCRIPTION:** This event will test knowledge of North American trees on the official list.
2. **A TEAM OF UP TO:** 2
3. **APPROXIMATE TIME:** 50 min



# Event Parameters

Each team may bring:

- One 8.5" × 11" sheet
  - Double-sided notes



# Event Parameters

Each team may bring:

- One 8.5" × 11" sheet
  - Double-sided notes
- Up to 2 published field guides
  - Tabbing recommended!
  - Up to 3 words allowed per tab



# Field Guides

- ISBN-13:

978-0912550015

978-0912550039

978-0394507606

978-0395904558





# Event Parameters

Each team may bring:

- One 8.5" × 11" sheet
  - Double-sided notes
- Up to 2 published field guides
  - Tabbing recommended!
  - Up to 3 words allowed per tab
- One copy of appropriate trees list



# The Competition

- Each team will be given an answer sheet



# The Competition

- Each team will be given an answer sheet
- This event will be held indoors

A close-up photograph of several bright green leaves with serrated edges, set against a soft, out-of-focus background. The leaves are positioned on the left side of the frame, with one leaf in the foreground being particularly sharp and detailed.

# The Competition

- Each team will be given an answer sheet
- This event will be held indoors
- Live or preserved specimens, or pictures



# The Competition

- For each specimen, students will be asked **a** correlated question on...
  - Structure
  - Ecology
  - Economic characteristics

A close-up photograph of several bright green leaves with serrated edges, likely from a tree, positioned on the left side of the slide. The leaves are in sharp focus, showing their vein structure. The background is a soft, out-of-focus light green and white.

# The Competition

- The official tree list will include specimens [that] can be ordered using the Science Olympiad Teaching Guide order form
- Highly Recommended!



# Scoring

- The team with the highest number of correct answers will be the winners.
- Selected questions may be used as tiebreakers.



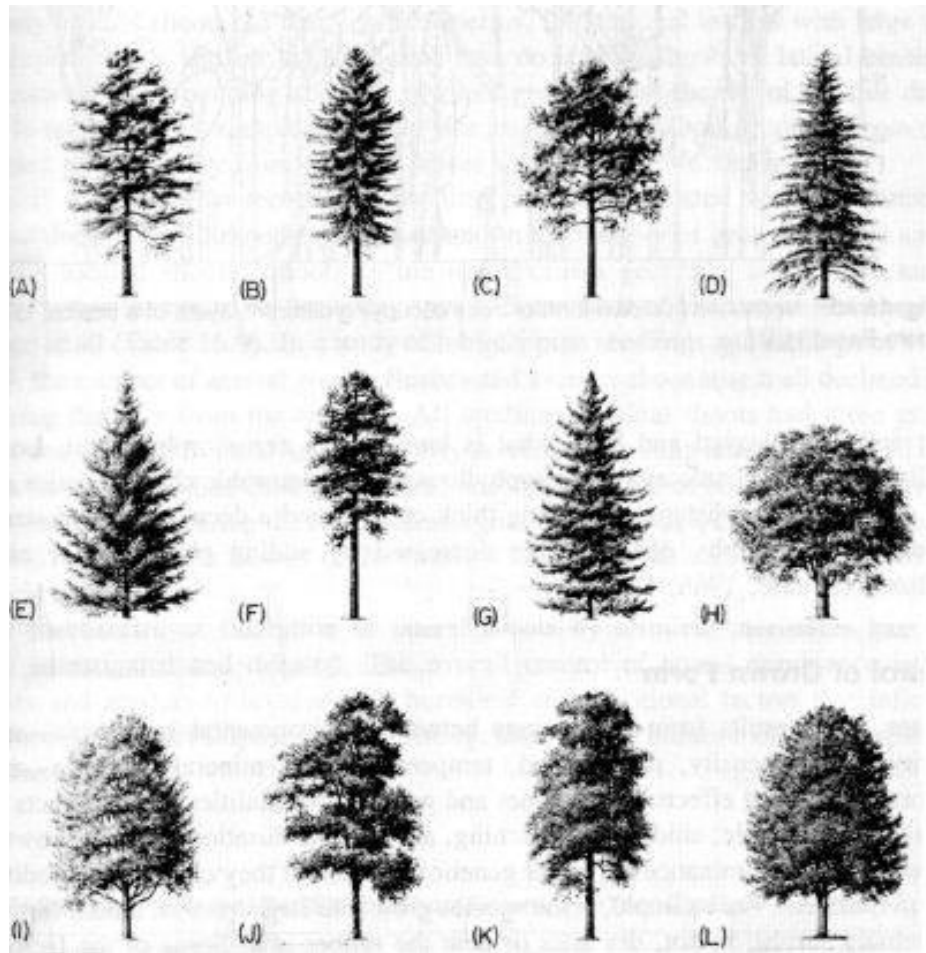
# General Identification

- Overall tree size/shape
- Bark
- Twig
- Pods/fruits/nuts/berries
- Leaves



# General Identification

- Overall tree size/shape



# General Identification



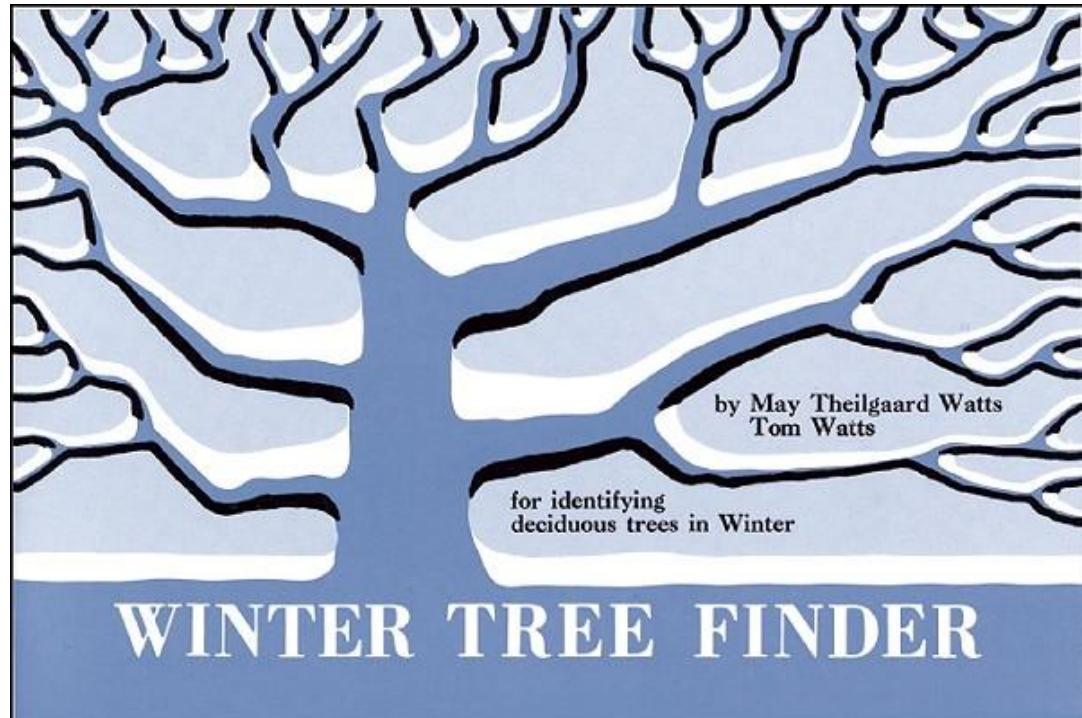
- Bark





# General Identification

- twigs





# General Identification



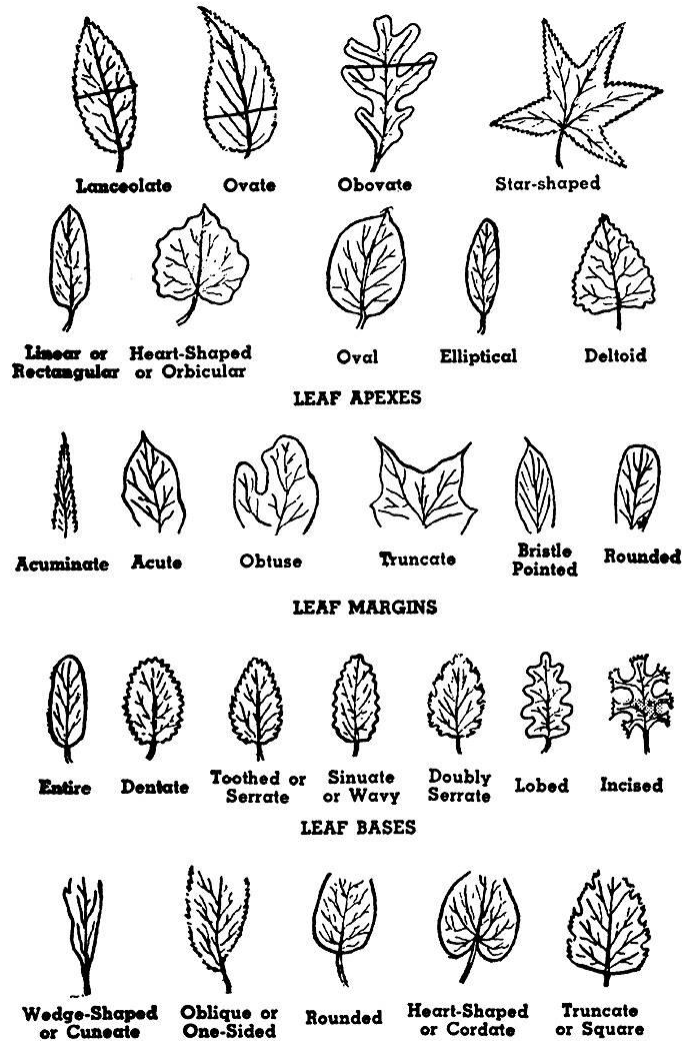
- Pods/fruits/  
nuts/berries





# General Identification

- Leaves





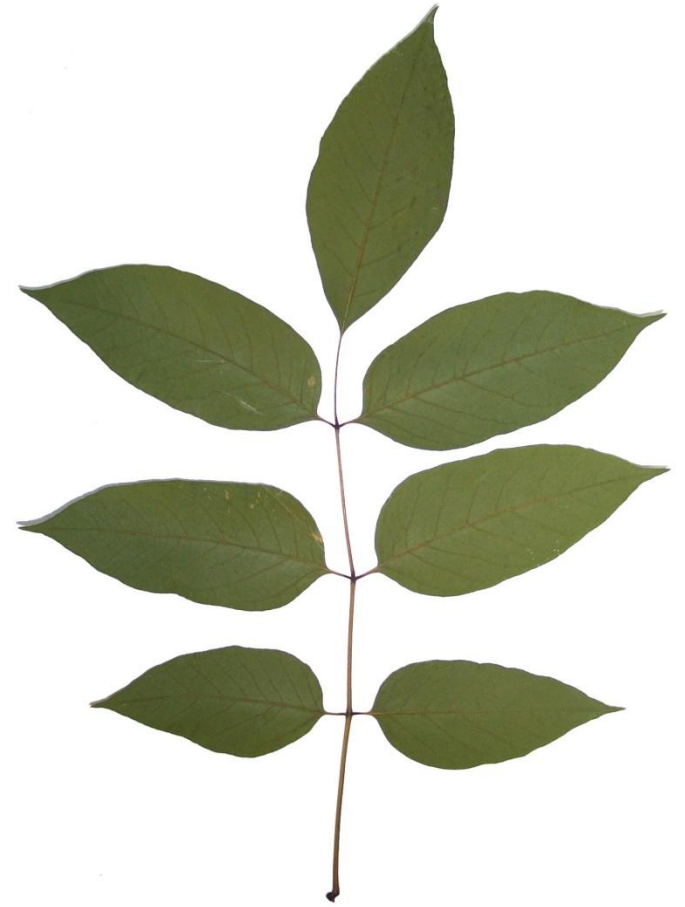
# Identification Via Leaves

- Leaf type
- Overall leaf shape
- Edge characteristics
- Surface characteristics
- Leaf base characteristics
- Vein characteristics

# Leaves



- Leaf type



# Leaves



- Overall leaf shape



UGA0008385

# Leaves



- Edge characteristics



# Surface characteristics



- Surface characteristics





- Leaf base characteristics



# Leaves



# Leaves



- Vein characteristics





# Important Tips

- Focus on scientific name
- Visit arboretums for “nature walks”
- Use space on the “cheat sheet” wisely

Questions?