INDEX

Annual rings
- Definition 3
- Reading 2–3, 48

Biomes
- Definitions 17, 47
- Types 17–18, 47

Ecosystem
- Parts of 9–10, 17–18, 37

Fire
- Famous 23–24, 27–28
- Policy 26
- Prescribed burn 34
- Role of 12–13, 16–21, 30–31, 34, 39, 48

Food Chain 9–10

Forestry profession 22, 24, 26, 41
- Assessing forests 41
- Forestry careers 41, 42
- Measuring forests 41

Forests
- Ancient 15
- Future trends 38
- Health 5, 8, 26, 30, 34, 36–38, 40–41, 43
- Layers 10
- Old growth 30–31
- Owners 26, 29, 31, 34–35, 38, 41–42
- Timeline 25
- Types 30
- Urban values 29, 34–35

Glaciers
- Formations 15–17

Humans and forests
- Conservationists 24–25
- Dakota and Ojibwe 19–21
- Farmers 19, 21, 23–24, 26, 29–30
- Fur traders 20–21
- Loggers 21–24, 26–27, 29, 31, 33–34, 37, 41–42

Management
- Forest 26, 29, 38
- Wildlife 11, 26, 33, 38, 41–42

Minnesota Department of Natural Resources (DNR)
- Policy 17, 30–31, 38–39, 41, 51–52

Native plant communities
- Definition 13
- Types 13–14, 52

Photosynthesis 1, 4, 9–10, 33

Soil
- Humus (duff) 5, 40
- Types 5, 7, 9, 16

Succession 12–13

Trees
- As a renewable resource 1, 26, 29, 34, 37, 39
- Cells 1–3, 5, 48
- Color change 1, 4–5
- Growing conditions 2–3, 7, 29, 48
- Hardening 5
- Identification (how to) 8, 51–52
- Leaves 1–5, 10, 17
- Measuring 50
- Native species (list) 46–47
- Nonnative, invasive species 8, 40, 51
- Parts of 1, 4, 32
- Reproduction 1, 6, 10, 30
- Planting tips 43–45, 51
- Seeds 1–2, 6, 8, 12–13, 30
- Uses
  - Aesthetics 26, 32, 34, 37
  - Air quality 32–33
  - Biomass energy 32, 34, 39
  - Habitat, wildlife 8, 10–12, 19, 26, 30, 32–33, 36–39, 42
  - Human health 33, 36–37
  - Jobs 32–33
  - Oxygen 4, 10, 33, 35, 39, 42
  - Products 32–33, 38, 42
    - Products (list) 32
  - Recreation 26, 31–33, 38–39
  - Timber 12, 21–27, 29–32, 37–39, 41–42
  - Water quality 32–33, 35, 38
  - Windbreaks 18, 23–25, 29, 51