	Angiosperms
<u>_</u>	Angiosperms

٨٣

Angiosperms:

- most abundant and recognized plants
- 275,000-290,000 species
- produce many seeds each year
- divided into two main groups based on cotyledons ("first leaf" or "seed leaf")
- produce their seeds in flowers









Some Medicinal Angiosperms:

- Foxglove -- heart attack medication (shown to the right)
- Willow -- bark used to make aspirin
- Basil-- reduces blood sugar levels, joint pain, fevers, anti-inflammatory
- Dandelion-- leaves are a diuretic, roots are a blood purifier







Flower Structures:

- Petals: leaf-like blades of white or are brightly colored that surround the reproductive structures of angiosperms
- Sepals: leaf-like structures at the base of a flower; usually green, but can be other colors; enclose flowers before they open



Male Flower Structures: Stamen-- male reproductive structure of angiosperms Filament-- long thin stalk of a stamen Anther-- sac at the end of a stamen that produces pollen







Making a baby angiosperm:

- Again, as with gymnosperms, pollination must occur.
- Chemicals on the stigma cause the pollen to form a pollen tube.
- Pollen tube grows toward the ovary and into the ovule.
- Sperm from the pollen travels down the pollen tube to the eggs where fertilization takes place.









