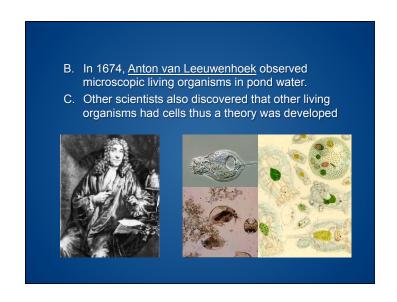
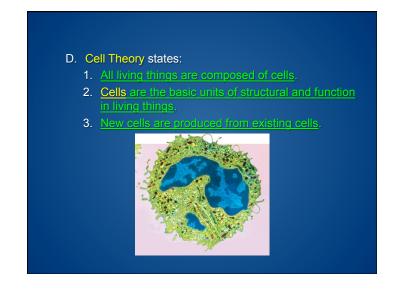
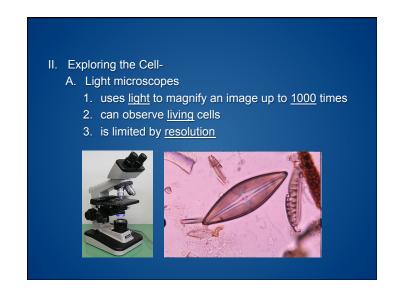
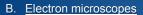
## Chapter 7 Cell Structure and Function 7-1 Life is Cellular I. The Discovery of the CellA. In 1665, Robert Hooke viewed dead cork tissue under an early microscope which he named cells.



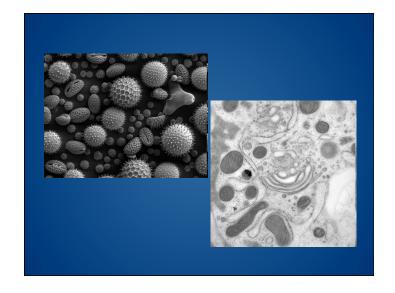


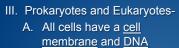




- 1. can magnify an object up to 100,000 times by using a beam of electrons
- 2. only <u>dead</u> specimens can be viewed
- 3. Transmission electron microscope (TEM) can show inner cell structures
- 4. Scanning electron microscope (SEM) can show <u>cell surfaces</u>







- B. Prokaryotes (before nucleus)
  - 1. smaller
  - simpler cells
  - do not have their DNA enclosed in a nucleus

Example: bacteria

