Cells and the Nucleus
Viewer Slides
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Please read the folder descriptions for each frame viewed.

Set 58  Cell Structure
1. Cork
   • the first thing ever viewed under a microscope
     o seen by Monk Robert Hook in the 17th century
2. Onion skin
   • Note:  A- cell wall (only in plants)
           B- cytoplasm
           C- nucleus
           D- plasma membrane
3. skip
4. Cheek cells
   • Note the cytoplasm, nucleus, and plasma membrane
5. Blood cells
   • Note the absence of nuclei
6. Nerve cell
   • Cell body easily seen, but unable to differentiate between dendrite and axon
7-8. skip

Set 81  Chromosomes and Genes In Action
1. DNA molecule (55,000X)
2-6. skip
7. Nuclear pores (50,000X)
   • Note the endoplasmic reticulum
8. Ribosomes (85,000X)
   • Note the ribosomes attached to ER

Set 66  Ultra Structures of Animal Cells