

Chapter 10 quiz – What to Know

- Cell size – why aren't cells large?
- Cell cycle
 - Definition
 - Names of all 4 phases of the cell cycle and the order in which they occur
 - Main event of each
 - Be able to label a diagram of the cell cycle
- Mitosis
 - Definition
 - Names of 4 phases and the order in which they occur
 - Main events of the 4 phases
 - Be able to label sketches of 4 phases of mitosis
 - Cytokinesis
 - definition
 - how it happens in animal cells
 - how it happens in plant cells
- DNA
 - How is DNA in daughter cells related to the “parent” cell?
 - How is DNA in daughter cells related to each other?
- Chromosomes
 - Structure – centromere, sister chromatids
- Cell structures in mitosis
 - Centrioles
 - Spindles
- Distinguish between cell cycle and mitosis
- Distinguish between mitosis and cytokinesis