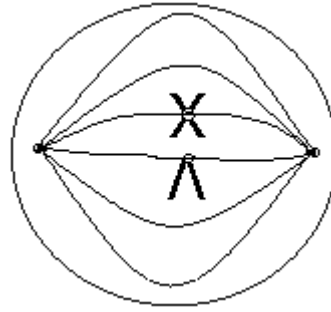


Biology 155 - Quiz 7

1. Which statement about mitosis is NOT correct
 - a. DNA replication occurs during interphase
 - b. cytokinesis usually occurs after telophase
 - c. chromatids are attached at their centromeres until telophase
 - d. the daughter cells are genetically identical to the parent cell
2. The Ames test
 - a. uses bacteria to identify chemicals that cause mutations
 - b. uses rats to identify chemicals that cause mutations
 - c. determines if a cell is cancerous
 - d. identified smoking as a cause of cancer
3. Which statement about mitosis is NOT correct
 - a. DNA replication occurs in interphase
 - b. cytokinesis occurs after telophase
 - c. chromatids are attached at their centromeres until telophase
 - d. the daughter cells are genetically identical to the parent cell



4. The diagram above shows a cell that is probably in
 - a. metaphase
 - b. prophase
 - c. anaphase
 - d. telophase
5. Which statement about the control of cell division is NOT correct?
 - a. at the M checkpoint the alignment of chromosomes is assessed
 - b. at the S checkpoint the synthesis of DNA is assessed.
 - c. some cells can enter the G_0 stage and won't divide again.
 - d. cell size and nutrition are assessed at the G_1 checkpoint