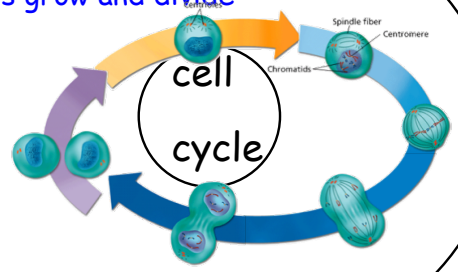
a regular sequence

cells grow and divide

cell cycle



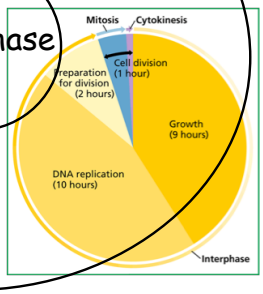
first stage of cell cycle

cell grows

makes copy of DNA

prepares to divide

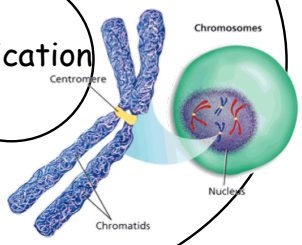
interphase



making an exact copy of DNA

DNA is found on chromatin

replication



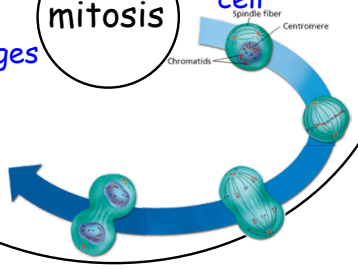
second stage of cell cycle

one copy of DNA goes to each daughter cell

nucleus divides

mitosis

has 4 sub-stages

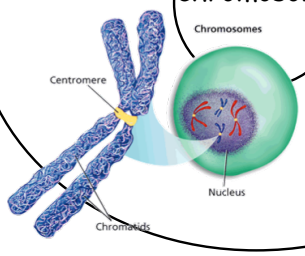


rod-like structure

each one made of two rods

chromosome

each rod is a copy of the other



last stage of cell cycle

organelles divided into two cells

cytokinesis

cytoplasm divides

cells pinch off

cyto - cell

kinesis - activity or movement