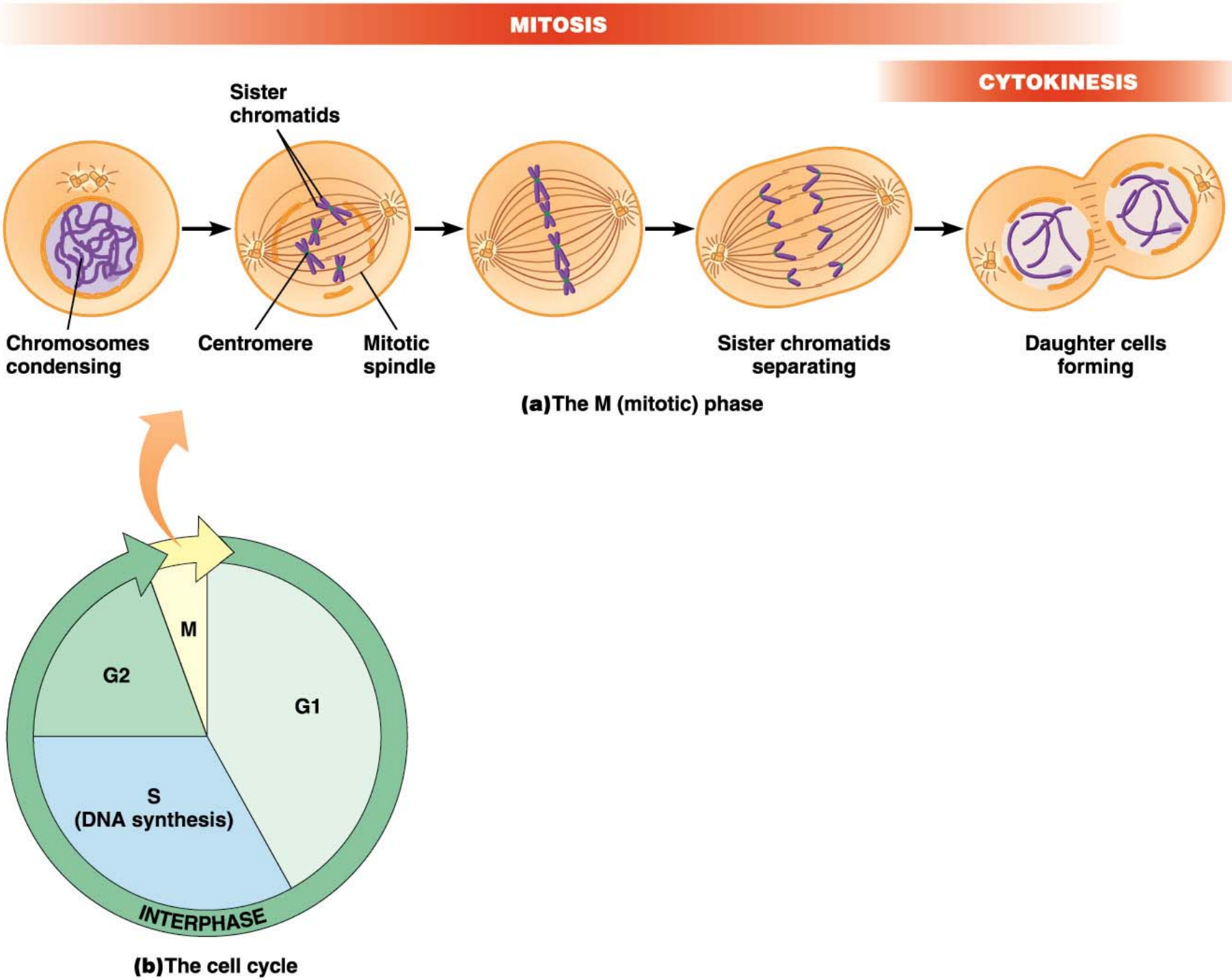
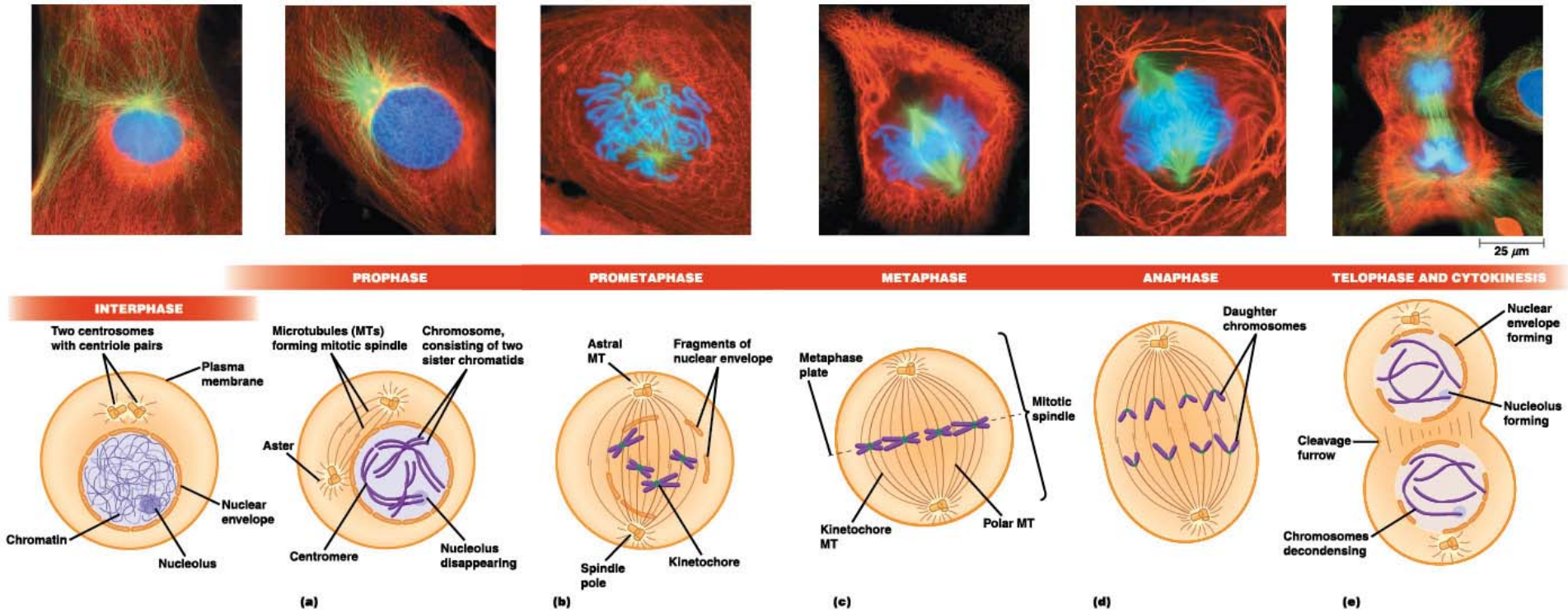
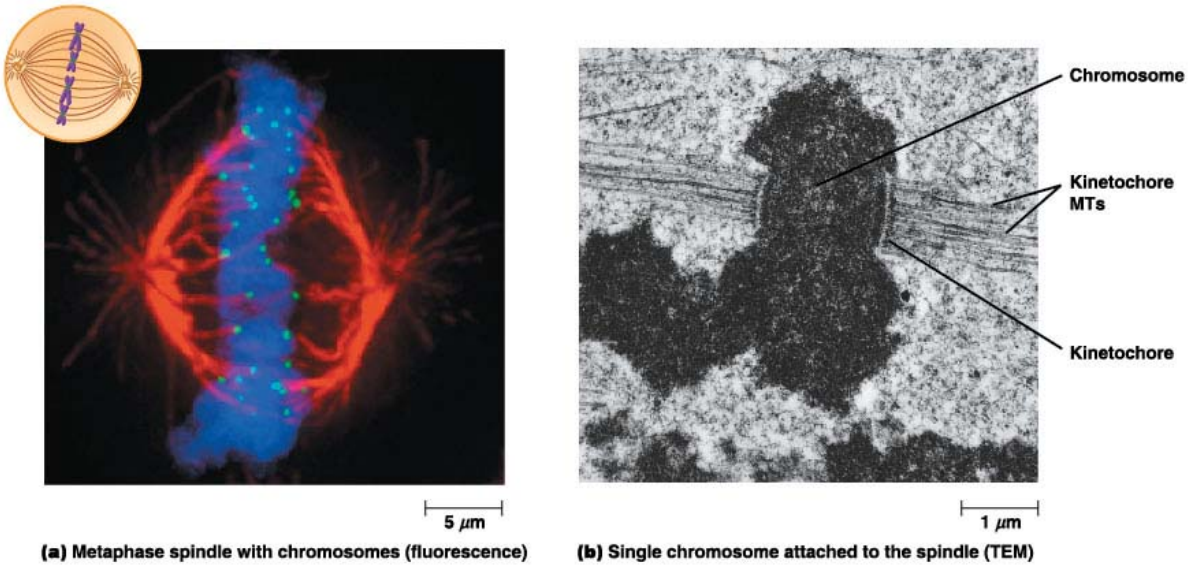
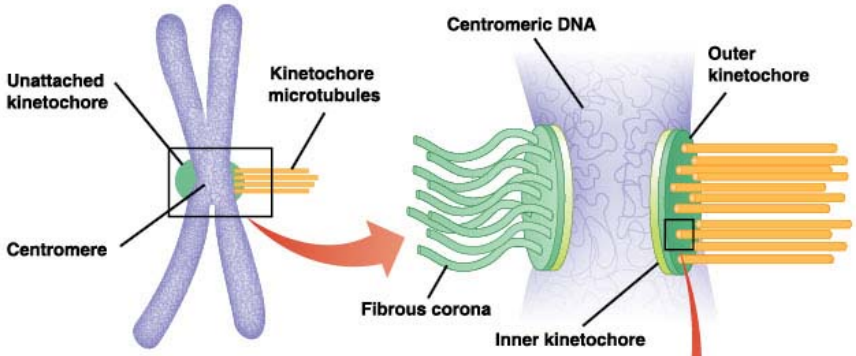




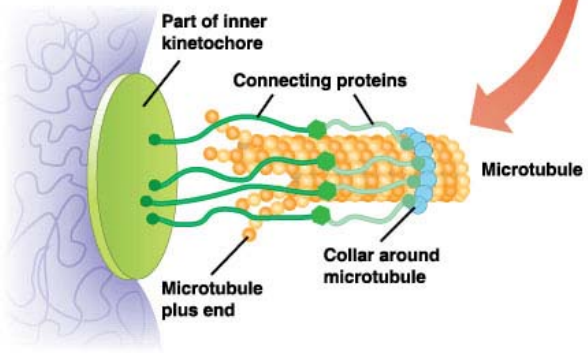


(a) Metaphase spindle with chromosomes (fluorescence)

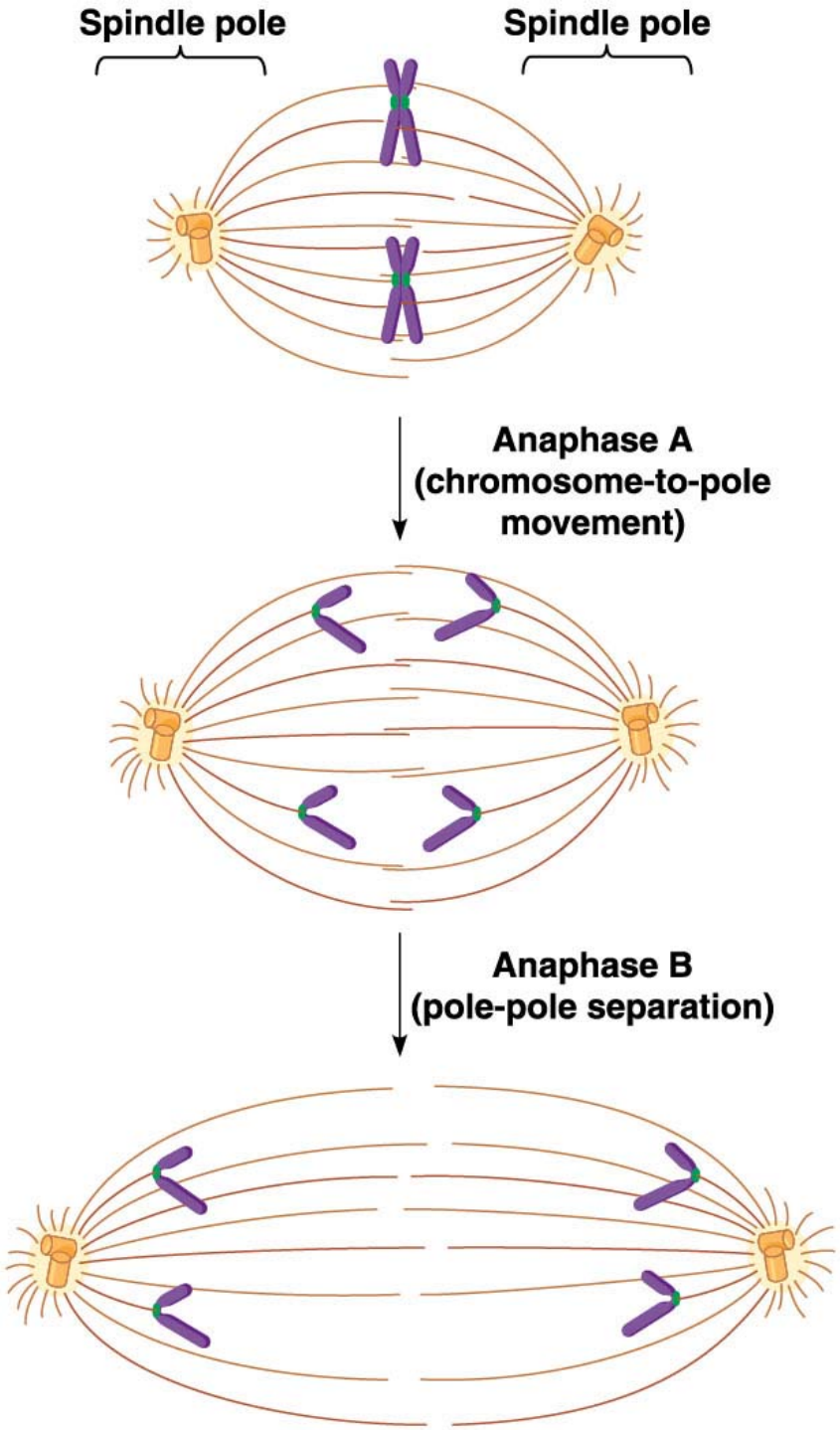
(b) Single chromosome attached to the spindle (TEM)

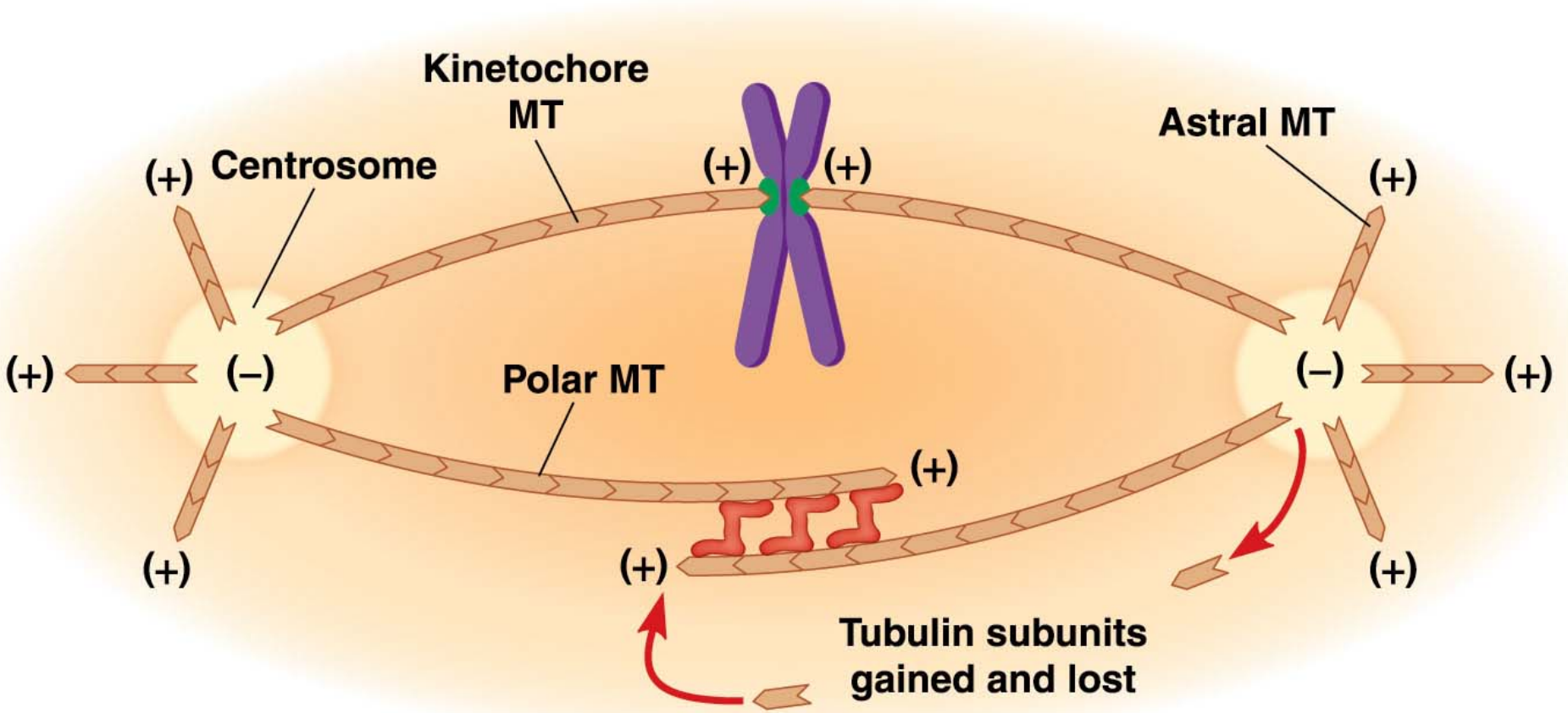


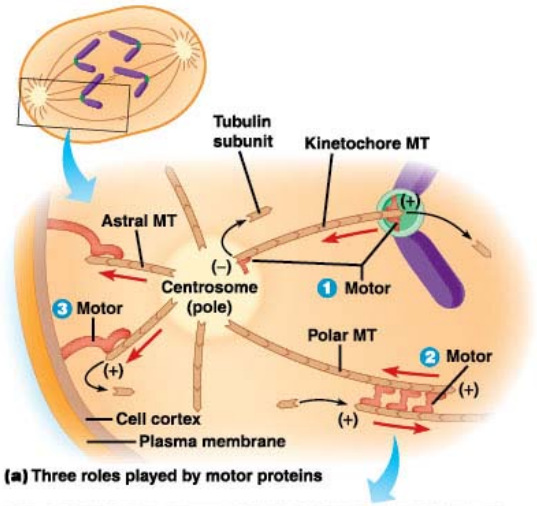
(c) Schematic of a single chromosome attached via one kinetochore



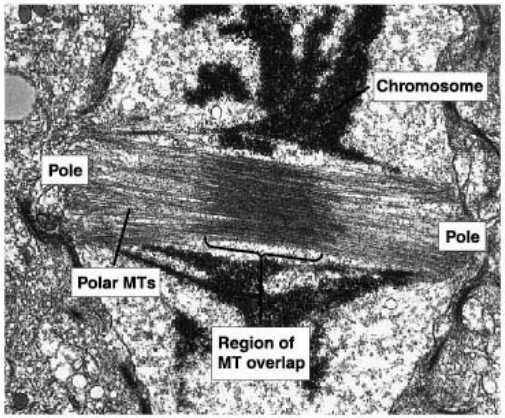
(d) Schematic of a single microtubule attached to a kinetochore





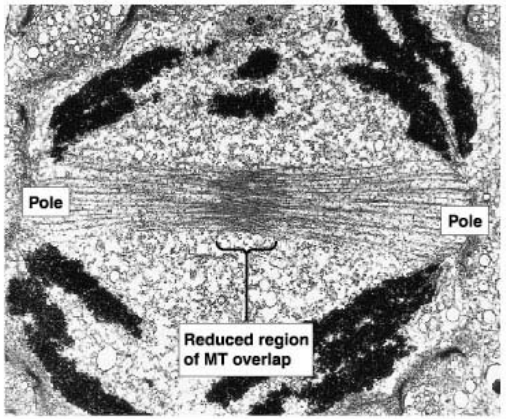


(a) Three roles played by motor proteins



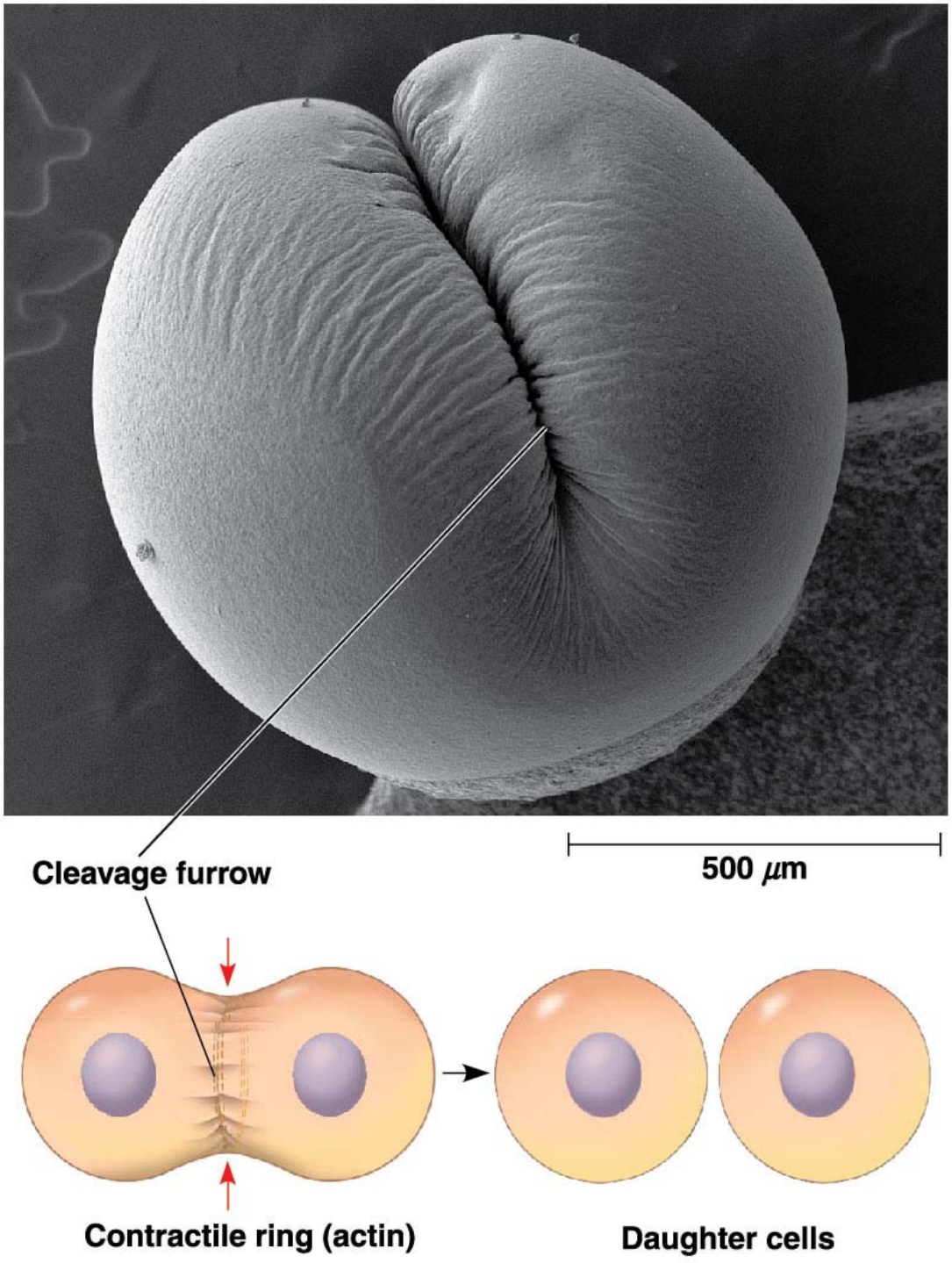
(b) Polar microtubules during metaphase

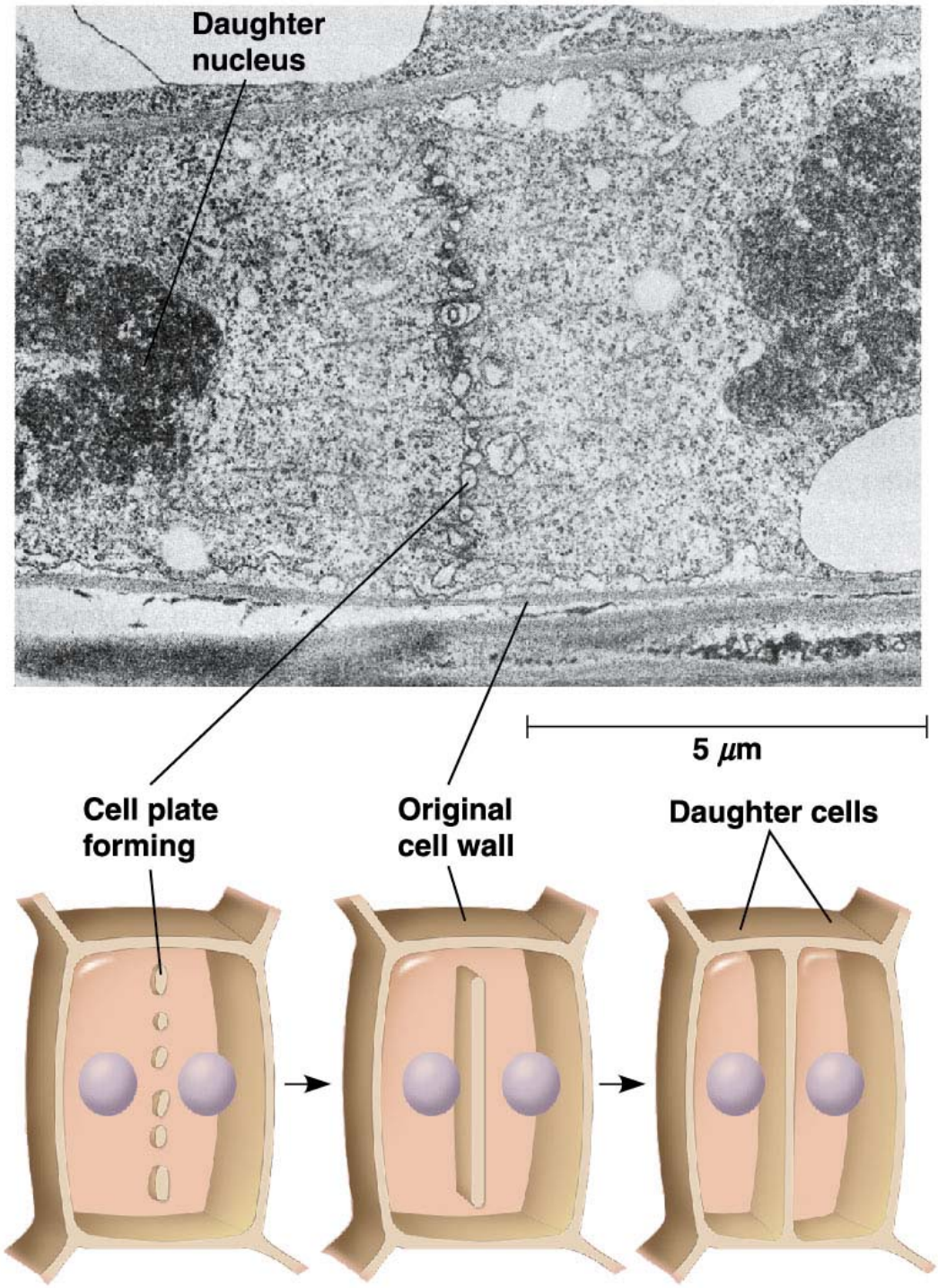
2 μm

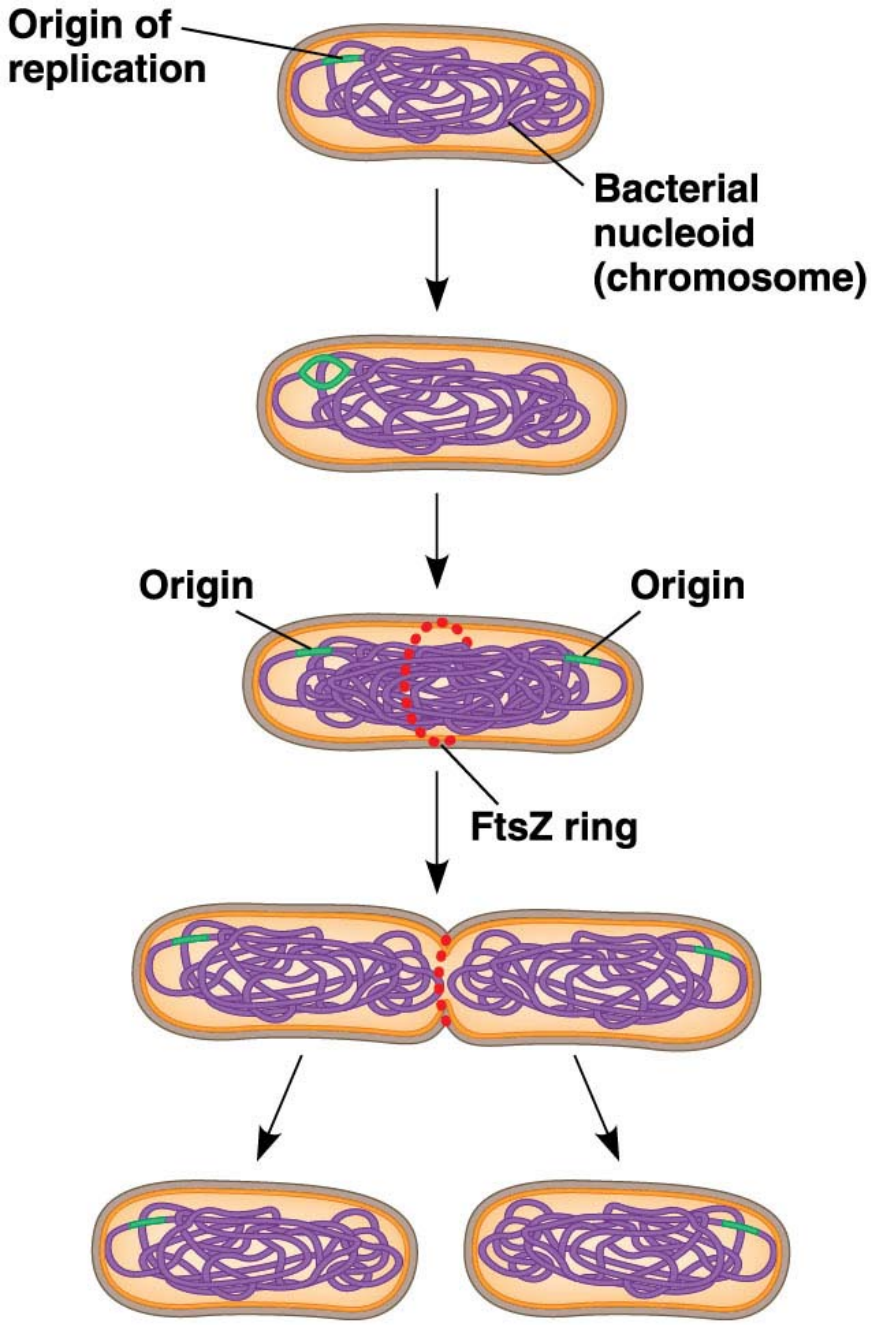


(c) Polar microtubules during anaphase

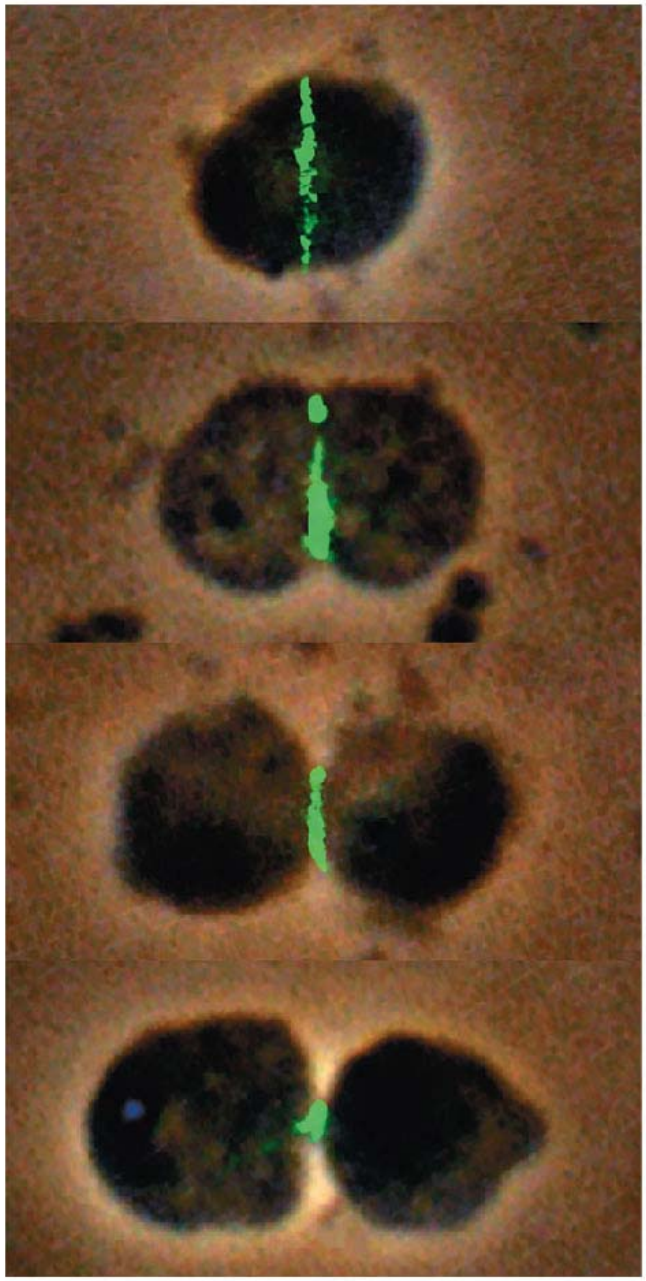
2 μm



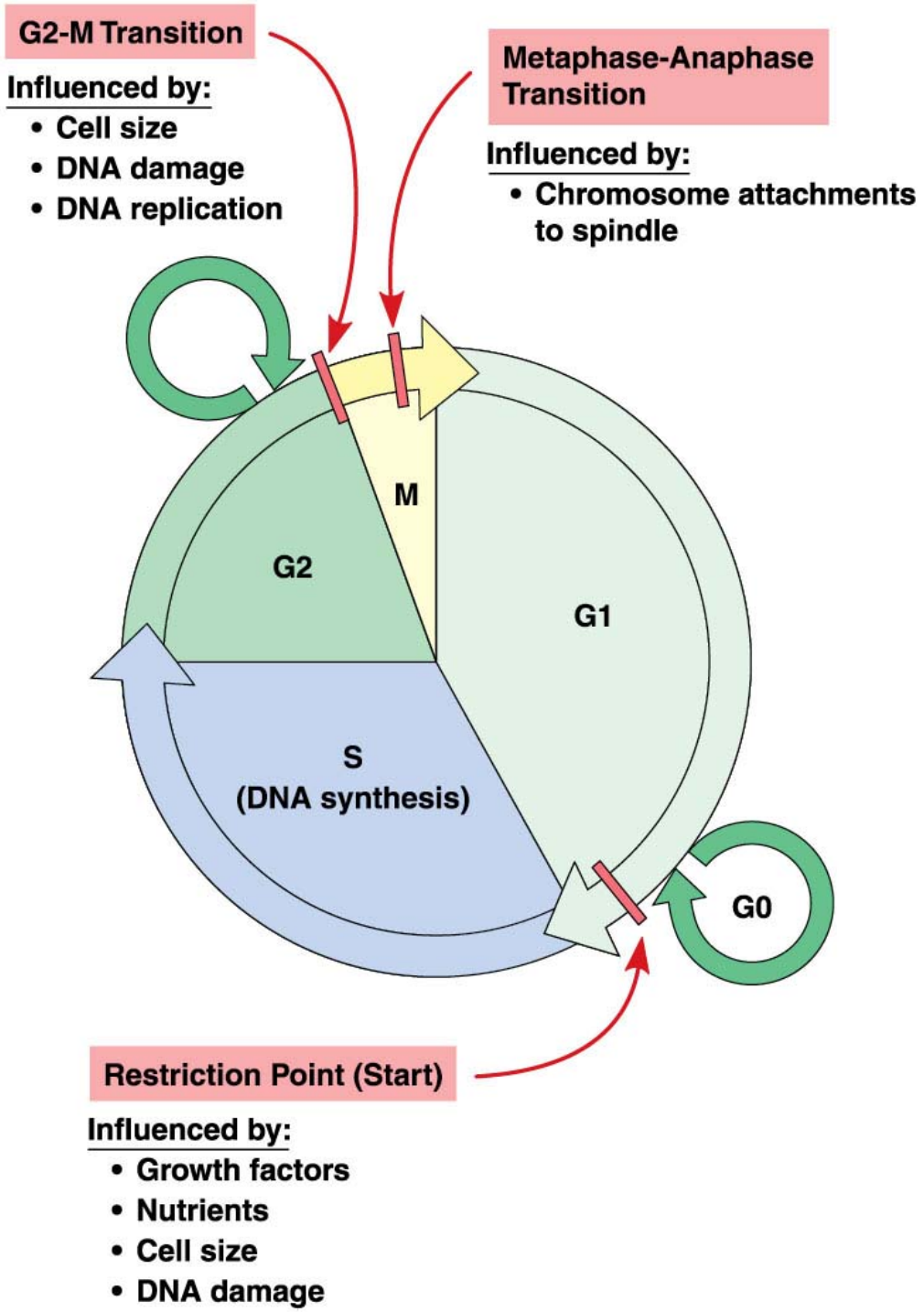


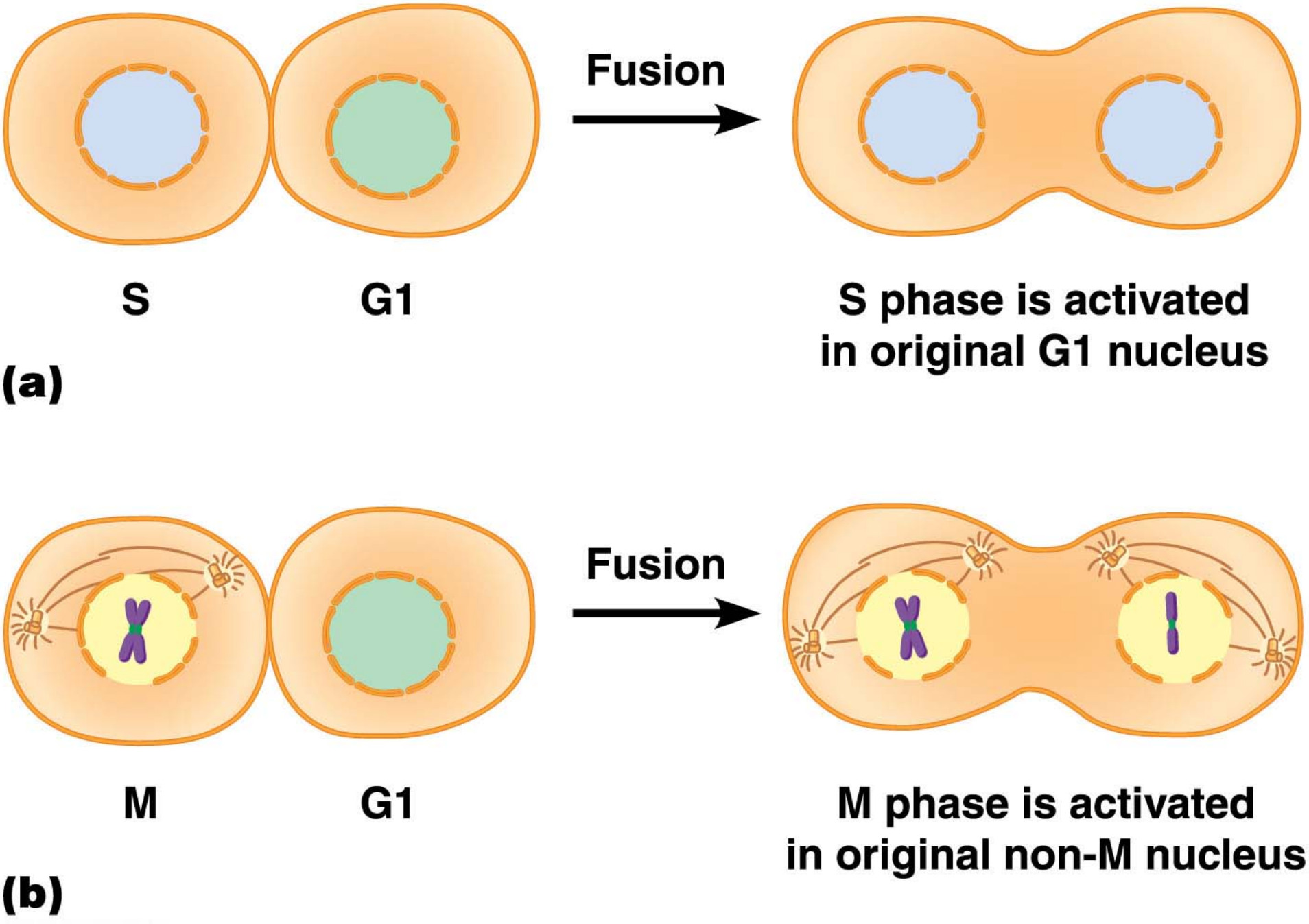


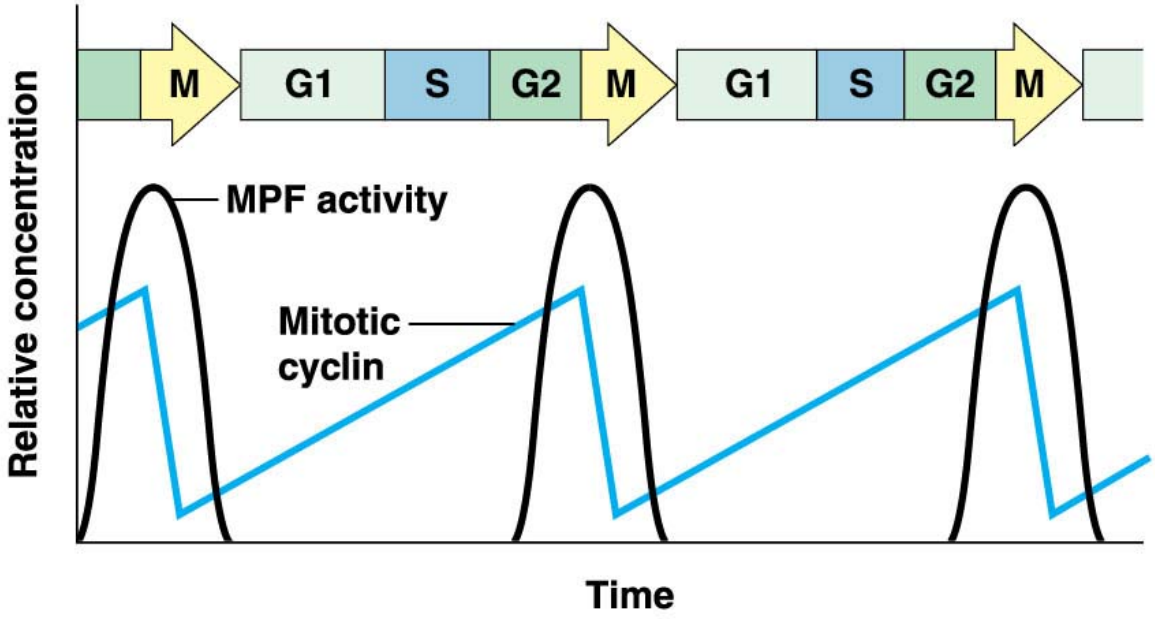
(a) Cell division in a bacterium



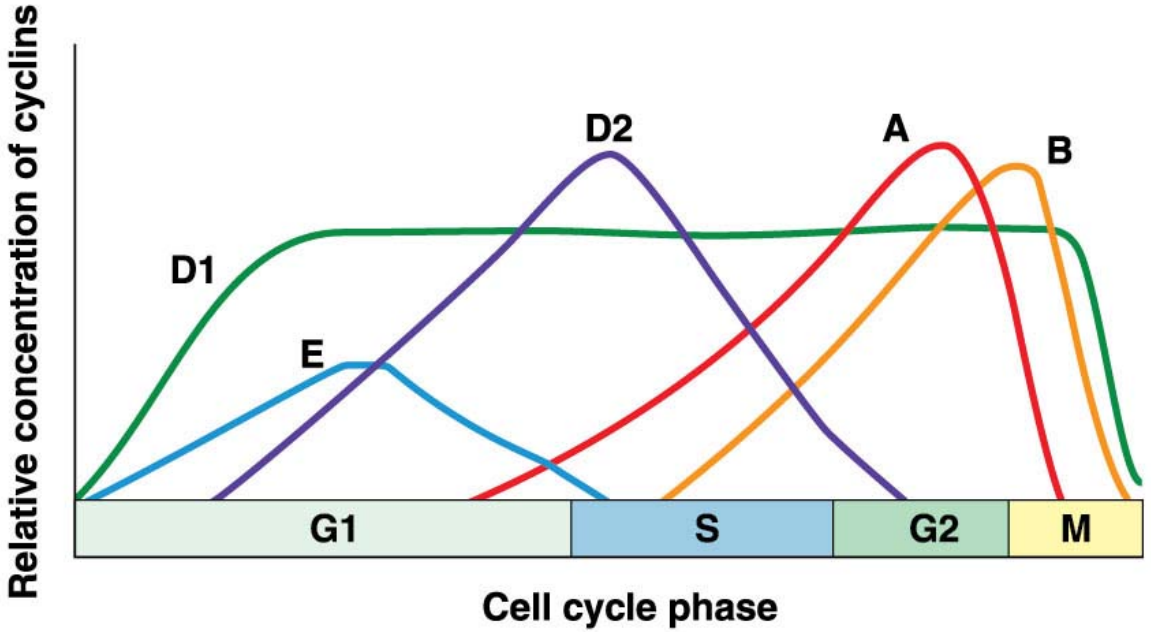
(b) FtsZ in dividing chloroplasts



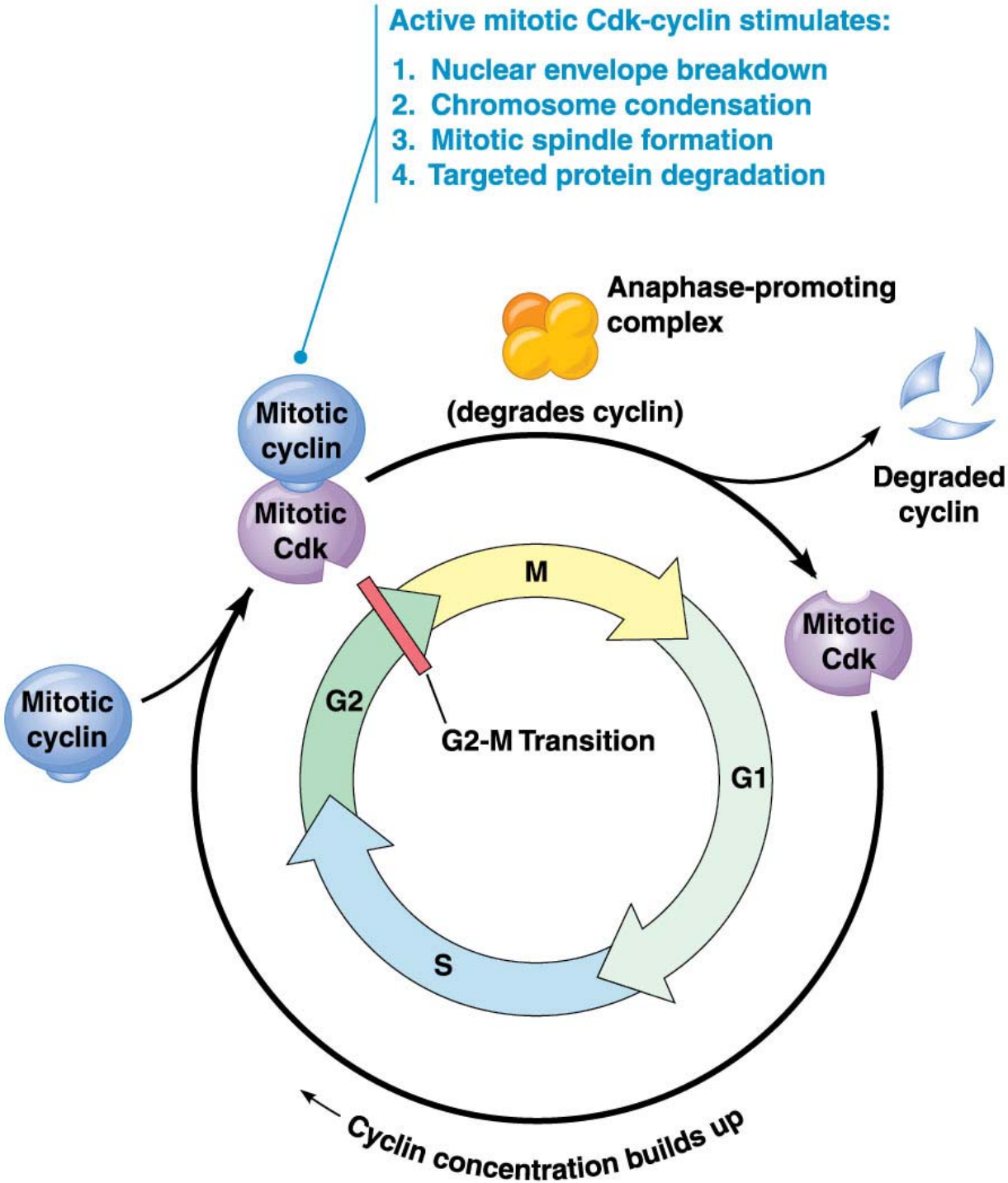


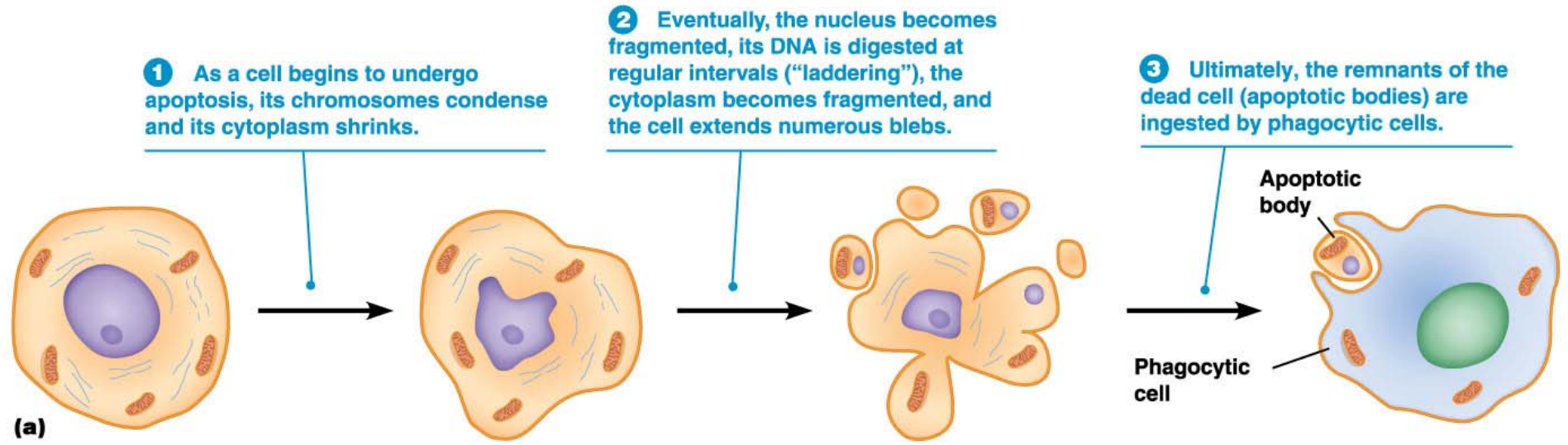


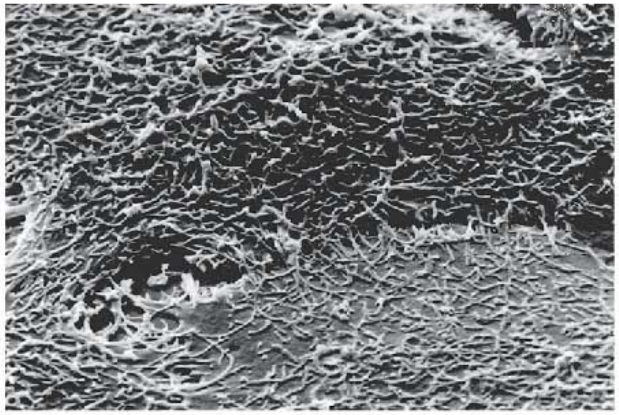
(a) Level of M phase cyclin (cyclin B) during the cell cycle

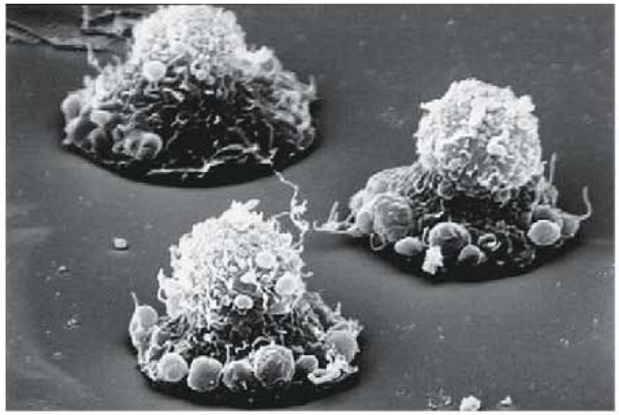


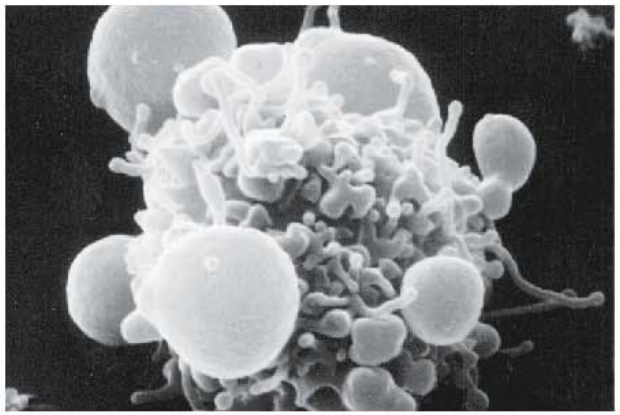
(b) Level of different cyclins during the cell cycle






(b)


(c)


(d)