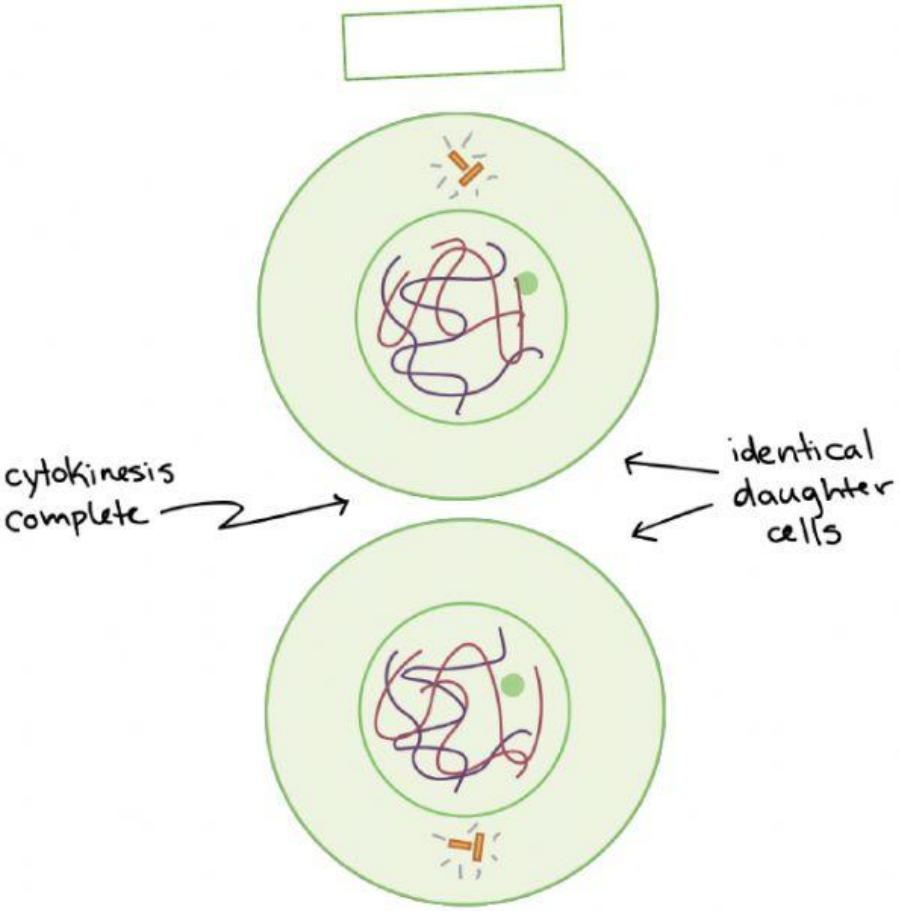
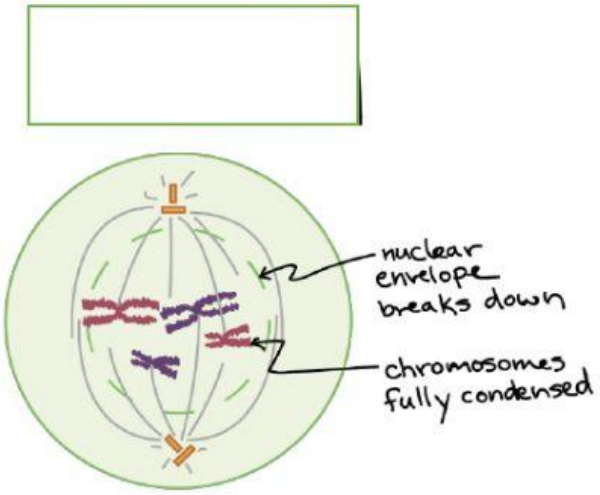
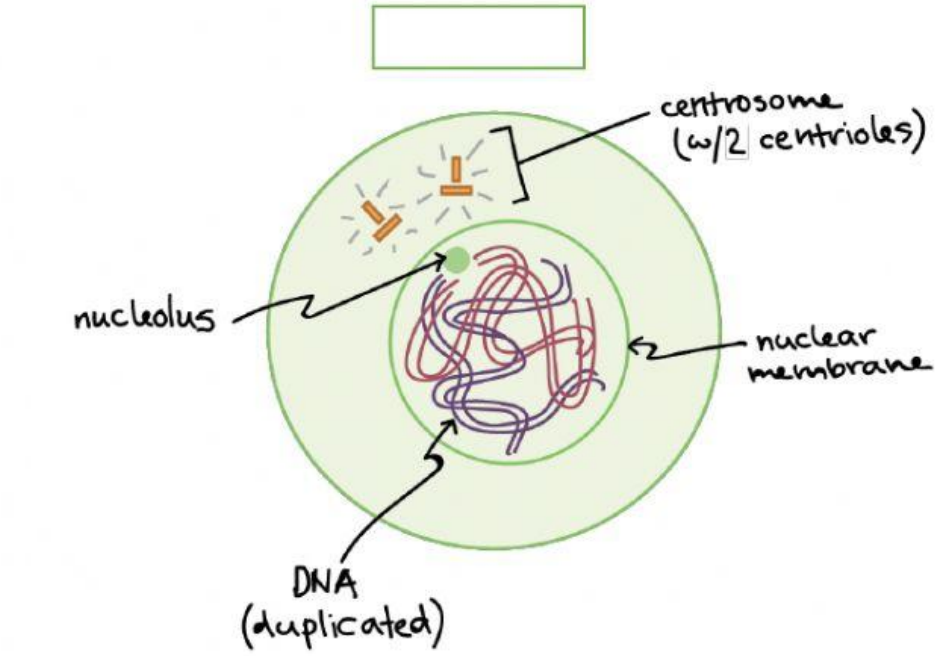
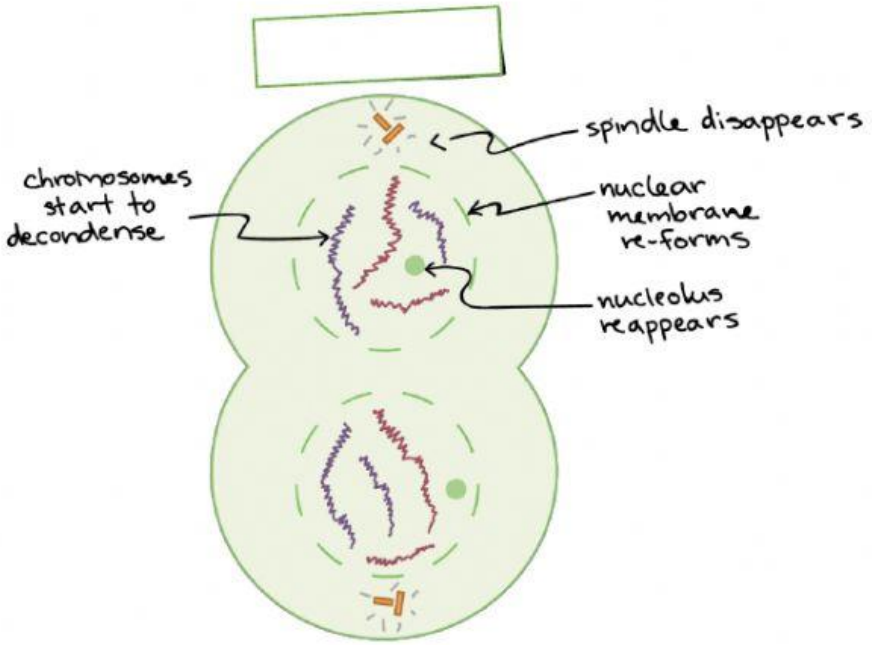
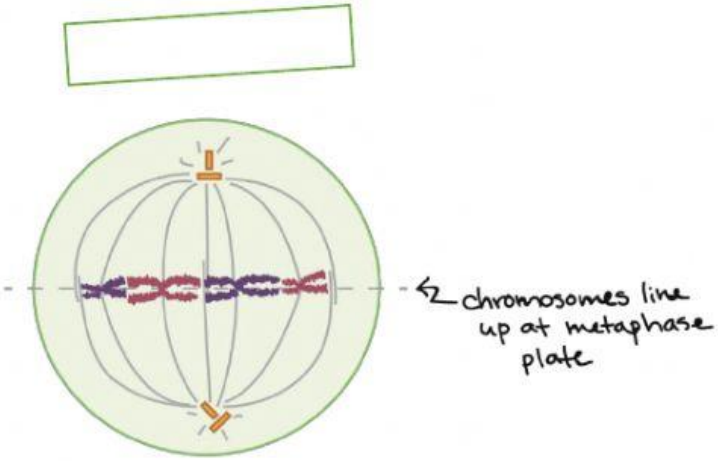
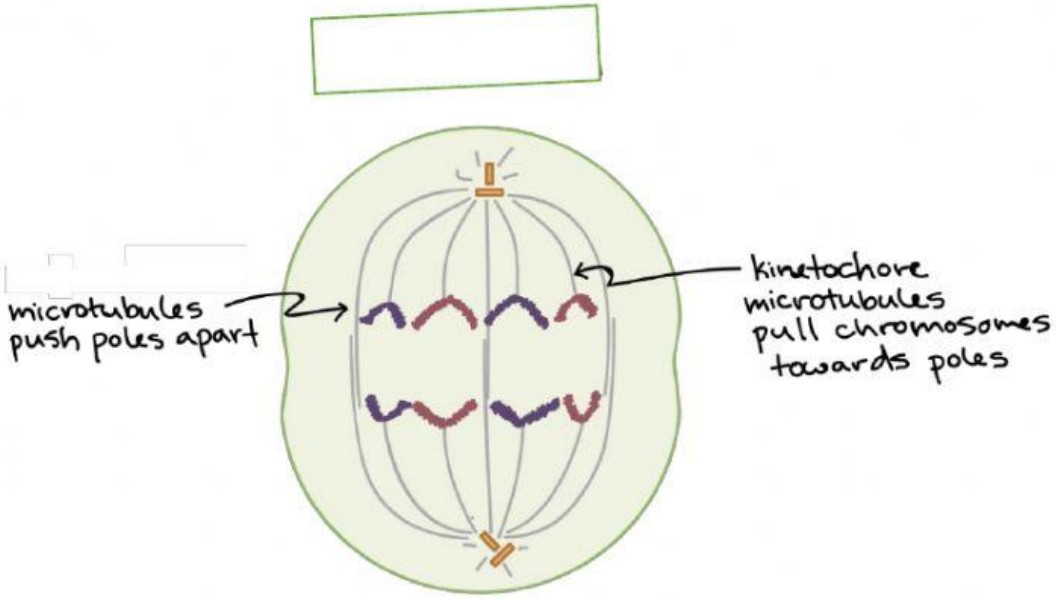

cytokinesis complete
identical daughter cells

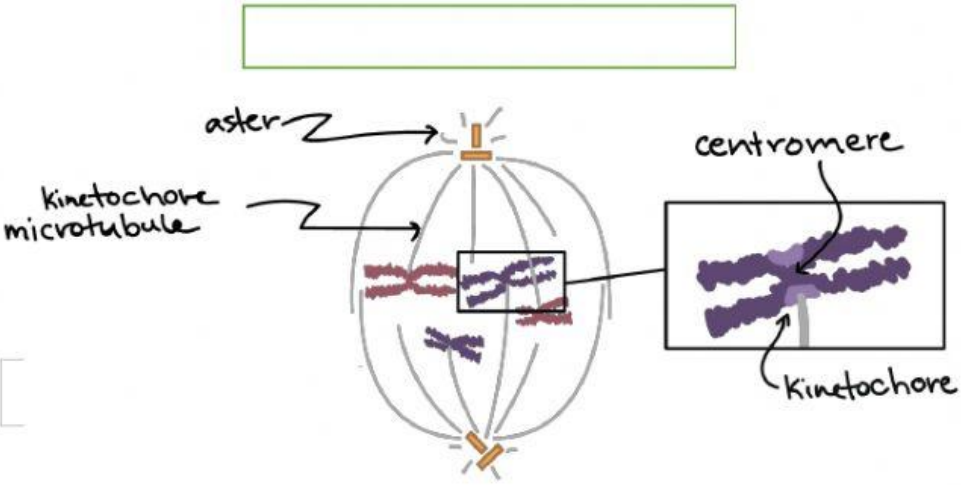

nuclear envelope breaks down
chromosomes fully condensed

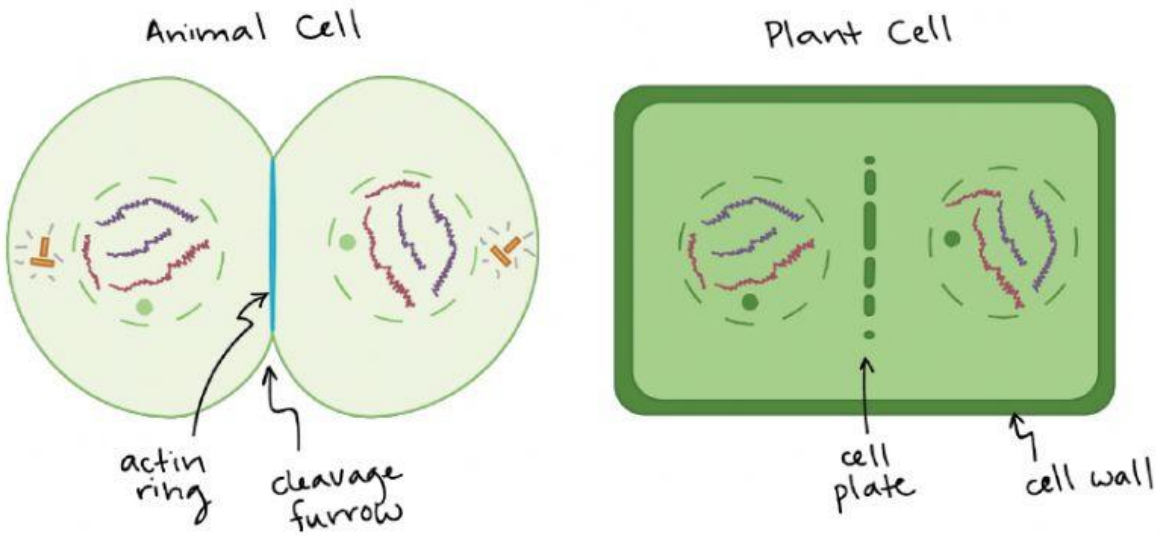

centrosome
(w/2 centrioles)
nucleolus
nuclear
membrane
DNA
(duplicated)

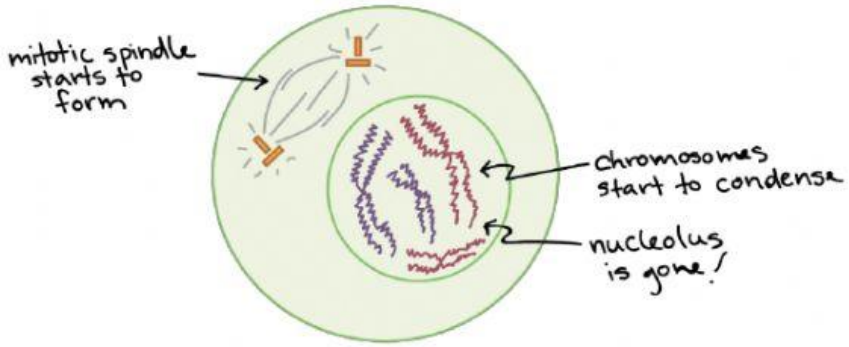

spindle disappears
chromosomes
start to
decondense
nuclear
membrane
re-forms
nucleolus
reappears


chromosomes line up at metaphase plate


microtubules push poles apart
kinetochore microtubules pull chromosomes towards poles


aster
kinetochore microtubule
centromere
kinetochore





Early prophase

Anaphase

Early G1

Telophase

Metaphase

Cytokinesis

Late G2

Late prophase (prometaphase)

Spindle anatomy