

* Check notes
focused

Cell Cycle

karyokinesis = splitting of the nucleus (even
replication + division of chromosomes)

apoptosis occurs - in development, ~~is~~ eliminat
disease ect.

interphase G_1 = growing + living normally
 S = synthesis of DNA
 G_2 = double amount of DNA = double
 M = mitosis / division of cell + chrom

Kinase = phosphorylates to turn on / turn
signally protein (changes its shape)

* look up checkpoints on notes

- if you don't pass G_1 phase
checkpoints into synthesis it is possi
stuck in G_1 phase

transformation = mutation in cell cycle
allows cancer cells to continue growing
it will never
anymore DNA

Benign tumors = good ideal to get removed
radiation = localized

Chemotherapy = everywhere in the
target certain drugs to certain
= the goal - so have it bind
certain protein receptors

cancer cells need lots of glucose so g
transporters can be main areas of
target for chemotherapy