

Source: [KBhBIO101Cells](#)

1 | The Cell('s) (Life)Cycle

1.1 | So, why do cell divide

Everyday, 50-70 Billion die (**programmed cell death**, apoptosis), so...

The ability to produce organisms more of their kind is one characteristic that best distinguishes living things from nonliving matter

[KBhBIO101Viruses](#) and organelles challenge this definition => they are symbiotic and cannot reproduce on their own. But like screw them right?

To compensate for programmed cell death, (cell division) happen.

Before we continue, do yourself a favor and review [KBhBIO101DNAStructures](#)

1.2 | So, when do cells divide?

The cell follows a lifecycle called...

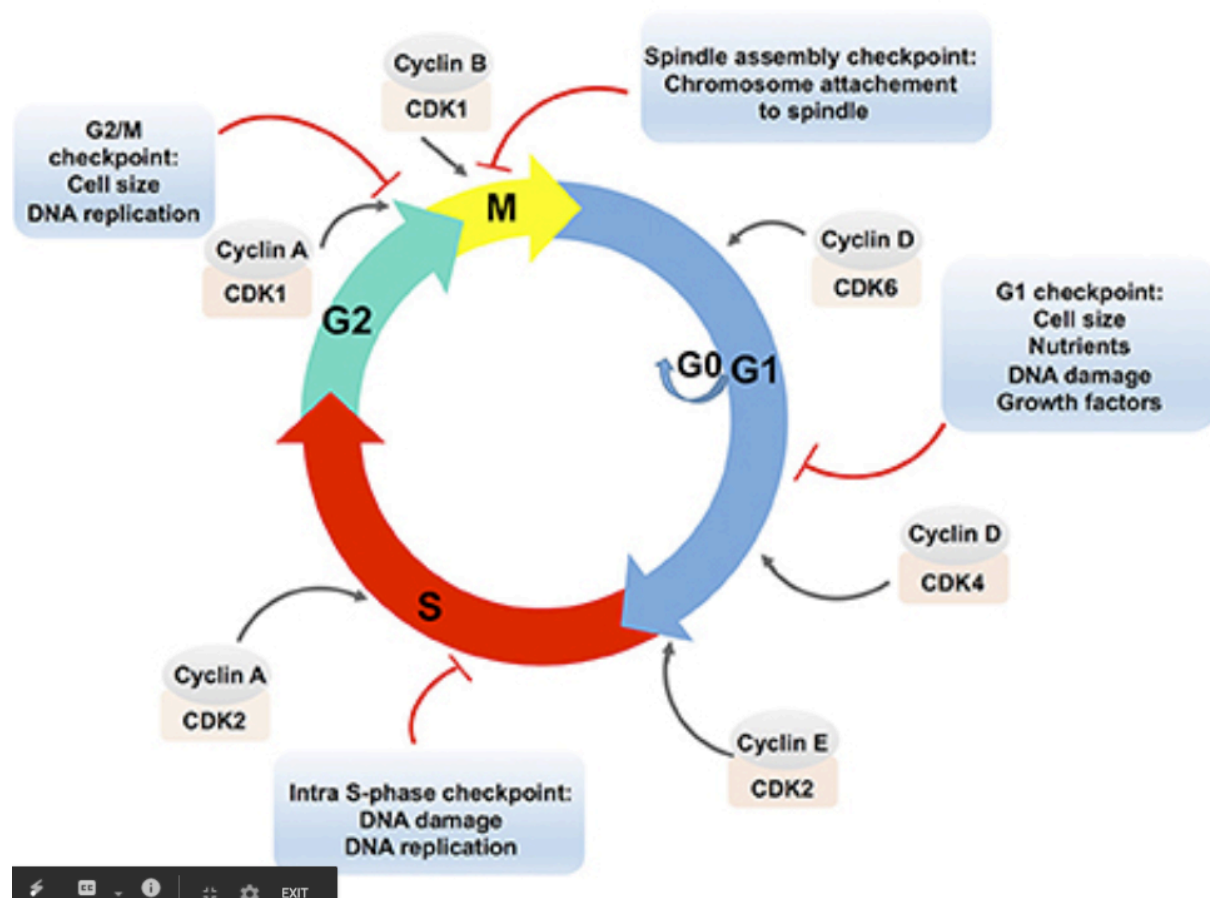


Figure 1: lecellcycle.png

1.3 | **So, how do cells divide?**

[KBhBIO101CellReproduction](#)

1.4 | **The (actual) Cell Cycle**

[KBhBIO101CellCycle](#)