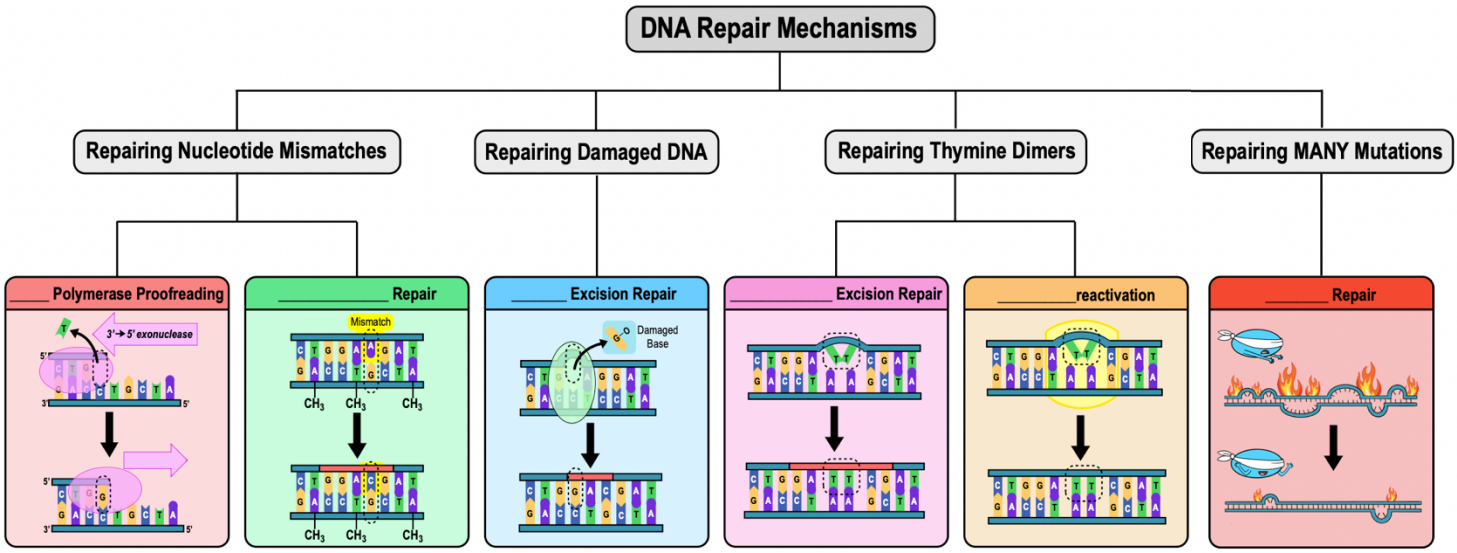
CONCEPT: INTRODUCTION TO DNA REPAIR

●Even small amounts of _____ can have tremendous effects on the life of a cell.

□ Thankfully, there are multiple DNA _____ mechanisms in the cell conserved across all domains of life.

Map of Lesson on DNA Repair



PRACTICE: Based on the map above, if the cell needed to repair a nucleotide mismatch mutation, which form of repair could it use?

a) Nucleotide excision repair.
b) DNA Polymerase proofreading.
c) Mismatch repair.
d) Photoreactivation.
e) A and D.
f) B and C.

PRACTICE: Based on the map above, if one of the bases in a strand of DNA is damaged and needs to be replaced, what mechanism will the cell use to repair the DNA?

a) Mismatch repair.
b) Nucleotide excision repair.
c) Base excision repair.
d) Photoreactivation.