Inside Ribosome
A start and stop code are needed.

3-10-14

DNA Replication

Cell cycle

Copy happens → Interphase - being cells 80% of time
Here   1. Cell grows
          2. Copies DNA

Mitosis - cell division
- Prophase
- Metaphase
- anaphase
- Telophase

How copying happens.
1. DNA molecules unzips
2. Bases are read
3. Complementary Bases are paired on each of the 2 strands
4. Both strands are proofread.
5. Mistakes cut out and corrected.
6. Process resumes

Damage to DNA order leads to mutations. — Alters base pair order
mutations are common.
- Can have a range of effects
- leads to the shape of protiens being produced

Types of mutation
Base pair substitution - one base pair is substituted can change the
                        amino acid that is created

Lethal { Insertion — base pair added → changes All Amino acids
        Deletion — base pair deleted

what causes Mutations?
1 Mistakes in DNA copies - Nothing to do about it.
2 chem. exposures - Prop 65 posters in California.
3 Radiation —