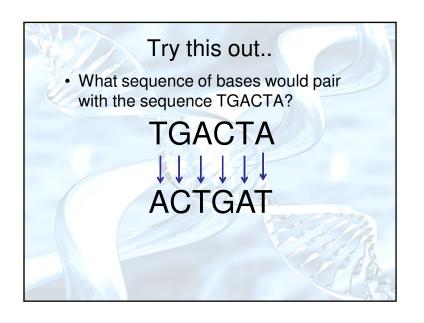
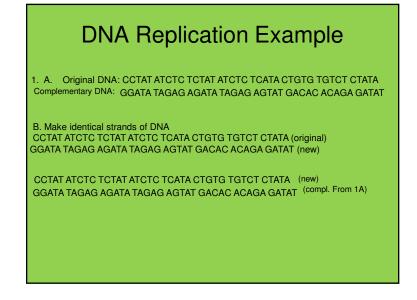
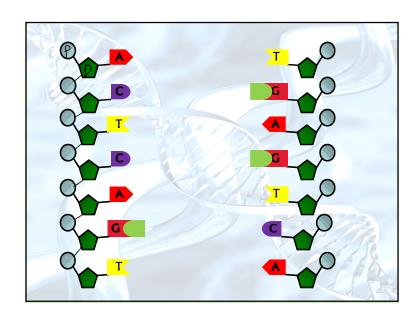
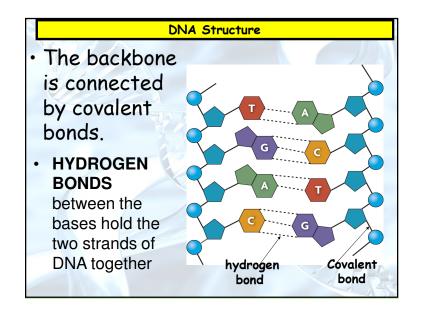


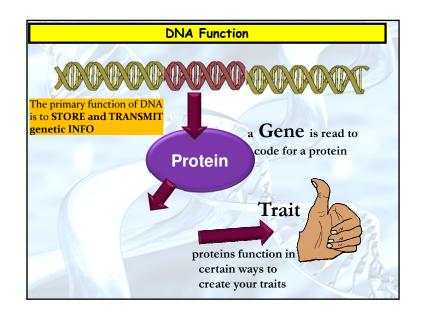
DNA is Complementary Complementary: bases on one strand match up with the bases on the other strand (A-T and G-C) Example: Strand 1- ATG GGC CTA Strand 2- TAC CCG GAT

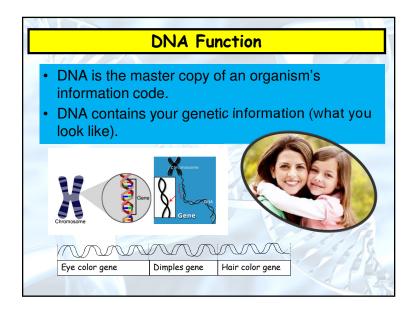


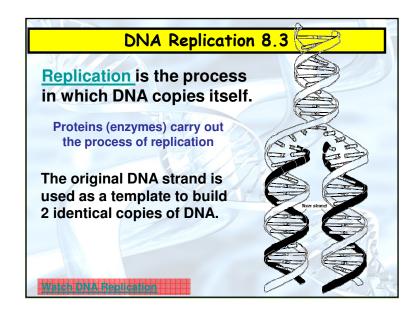


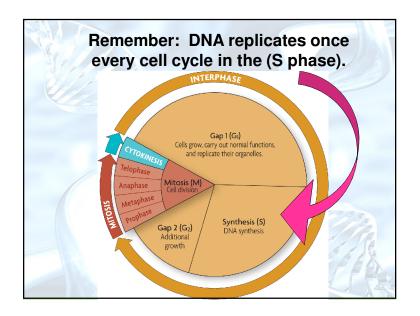


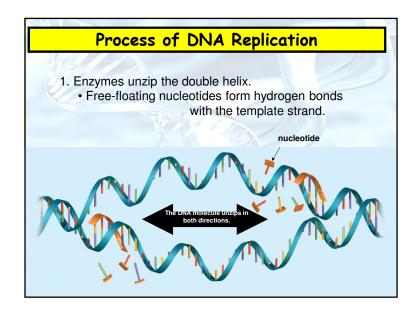


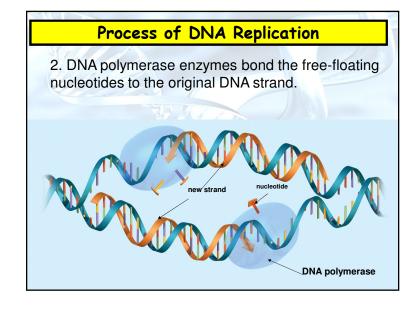


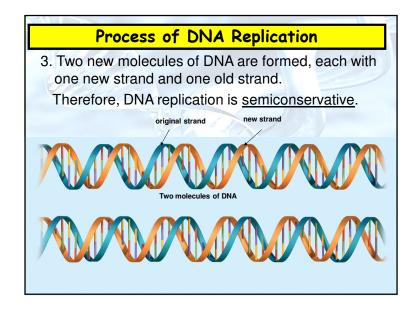




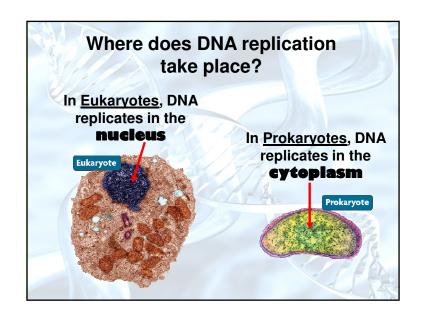


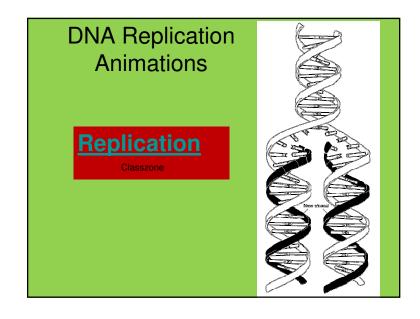






Process of DNA Replication Replication is fast and accurate. Occurs at hundreds of origins of replication along a chromosome DNA polymerase "proofreads" the new strand and removes any incorrect nucleotides and replaces them with correct ones





Try this Out!

- 1. What does "semiconservative replication" mean?
- 2. What is the goal of DNA replication?
- 3. What is the function of DNA polymerase?
- 4. What feature of replication ensures that DNA is copied quickly?
- 5. How does a cell ensure that no errors are introduced during replication?