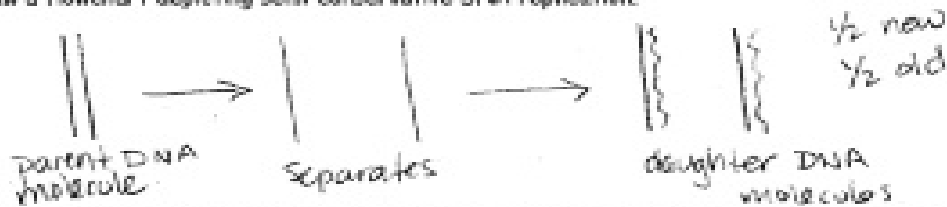


1. Draw a flowchart depicting semi-conservative DNA replication.



2. What enzyme is primarily responsible for DNA replication (adds nucleotides onto the growing new strand of DNA)? DNA polymerase
3. What is the limitation of the enzyme above (from question #2)?

it can only add to the 3' end of the new DNA strand

4. Draw a replication bubble (complete with replication forks). Label the 5' and 3' ends of the DNA strands.



5. Draw another replication bubble.

- a. This time put in nucleotide base pairs to make a code. (You can put the letters in whatever order you want).
- b. Now, draw in the new complementary strands (complete with matching base pairs to the parent.)
- c. Label the parent strands.
- d. Label the new strands.

