DNA replication paper layout

You will work in groups of threes. Make sure all names are on both papers.

Cut out the nucleotide template and space it out to use for replication.

Fill in the missing nucleotides with the correct complimentary base pair.

Add in the three main enzymes that are used in DNA replication.

Answer the questions.

1. What are the three parts of a nucleotide?
2. What are the four nitrogen bases of DNA?
3. What are the two complimentary pairs of DNA and their number of bonds?
4. Who determined the complimentary pairs of DNA?
5. What parts of the DNA are in the backbone?
6. How does DNA replicate?
7. When and where does DNA replicate?
8. What is the term for one strand running normal and the other for being upside down?
9. Where is the carbon able to connect to the phosphate?
10. What direction does DNA run?
11. What do each of the three enzymes do in DNA, that we used?
12. Explain the difference between lagging and leading strands.