Honors Biology Name:

*Replication Video*

What is replication?

Why does DNA need to be copied?

What is the enzyme that unwinds DNA? How does it do it?

What is a replication bubble?

Why do eukaryotic cells need replication bubbles?

How does a replication bubble speed things up?

What is the enzyme that tells the polymerase where to start? How does it join?

What does DNA polymerase do?

What does 5 prime mean?

Which direction does DNA polymerase travel?

Once the DNA polymerase is finished, what happens next, and what enzyme does the work?

The new strand of DNA needs to be proofread, who does that, and how do they do it?

Does this happen the same way on the lagging strand? Why or why not?

How does DNA make a copy of the lagging strand?

What do we call the section of the lagging strand?

Explain step by step how DNA replicates itself (you may want to look at my Prezi)