"DECIPHERING THE CODE OF LIFE," by Francis Collins and Karen Jegalian

Copy the questions on your paper and discuss the answers in the article…

1. What is the goal of the Human Genome Project?
2. Approximately how many bases make up the human genome? About how many proteins do we think are encoded in the human genome?

By 2050, we believe that research in genetics may tell us information about these questions:

3. Will we be able to synthesize (to make) life forms in a lab?
4. Will we have a better understanding of how genes affect development in mammals?
5. How might our knowledge of the human genome change our ability to treat diseases?
6. How might this information affect individuals in society?
7. When was this article written?
8. When the Human Genome Project was completed in 2003, we found far fewer nucleotide bases and proteins than we expected… only 3 trillion bases encoding 20,000 – 25,000 genes, a number that still changes. Discuss why you think this number changed so significantly during the research.