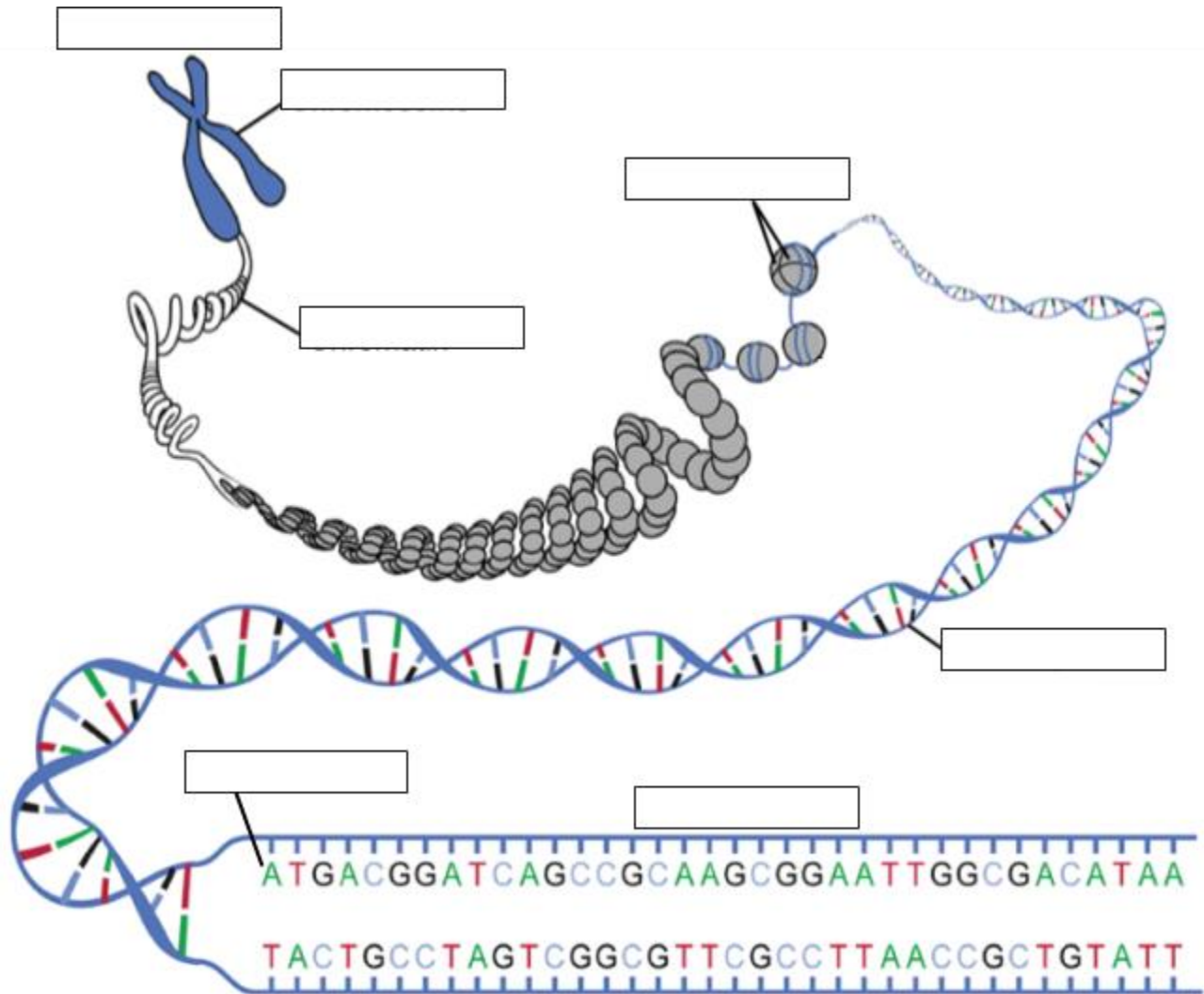


Genetics Lesson 2 Worksheet

Label the diagram using the words in bold

base **chromatid** **chromatin** **chromosome** **DNA** **gene** **histone**



Part 2. Short answers

1. What is the difference between chromatin and a chromosome?
2. When are chromosomes visible using a microscope?

3. Why do some chromosomes look like a letter X and some do not?
4. What is a histone and what is its function?
5. What is a gene and what is its function?
6. What is an allele? Give an example.
7. Where are chromosomes located in a cell?
8. What is a trait?
9. What is a karyotype?
10. Why are X and Y chromosomes referred to as sex chromosomes?