



April 6, 2020

1) DNA introduction



Warm-up:
The information contained in the DNA would fill a _____ volume encyclopedia, if it could be written down.

It would fill a 1000 volume encyclopedia, if written down.



Use the internet to answer the following questions. When you are complete, check your answers on the next slide.

DNA: The Genetic Material
Page 176-177

1. How many chromosomes does a human have? A dog? A mouse?
2. What is the long name of DNA?
3. What four bases make up the code of DNA?
4. What is the function of DNA?
5. What is DNA replication?

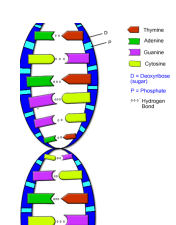
DNA: The Genetic Material

1. Human 46 chromosomes, Dog 78 chromosomes, mouse 40
2. Deoxyribonucleic acid
3. Four-character code made up of nitrogen bases: adenine (A), thymine (T), cytosine (C) and guanine (G).
4. Provides the directions that guide the repair of worn cell parts and the construction of new ones.
5. DNA makes a copy of itself.

Further Investigation:

Using materials that you can find around your house, make a model of DNA consisting of the following:

- 1) at least 10 base pairs
- 2) Phosphate groups
- 3) Deoxyribose sugars



You can use this diagram as a template.