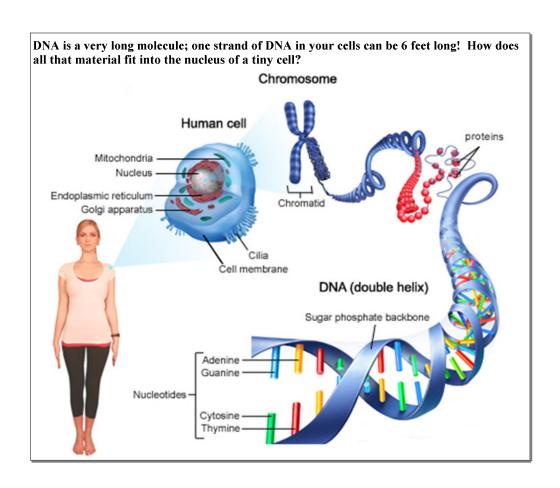
Standard: Students will analyze how biological traits are passed on to successive generations.

Element: Explain the role of DNA in storing and transmitting cellular information.

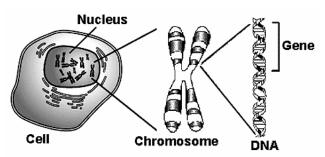
EQ: How does a chromosome store cellular information?



- 1) The DNA first wraps itself around **proteins**.
- 2) These strands twist together even further to form a **chromosome**.
- 3) The two halves of a chromosome are called **chromatids** and are *identical* to each other.

Video Clip "The DNA Molecule and Chromosomes"

Chromosomes are important in transmitting cellular information because they contain all the *genes* necessary for an organism to function.



Definition for gene:
Piece of DNA that has information for one trait