

DNA Sequencing – Viewing Guide

1. Who is the scientist in this video (Give her name and title; for example, biology professor, veterinarian, etc.)
 - A. Dr. Loren Skow; professor of immunology
 - B. Dr. Loren Skow; professor of genetics
 - C. Dr. Ian Tizard; professor of immunology
 - D. Dr. Ian Tizard; professor of genetics
2. DNA sequencing is a process to determine the order of the DNA bases in a genome. Select true or false.
 - A. True
 - B. False
3. List the 4 nucleotides (bases) in DNA.
 - A. Adenine, Guanine, Cytosine, Thymine
 - B. Adenine, Guanine, Cytosine, Tryline
 - C. Adenine, Guanine, Crystine, Thymine
 - D. Adenine, Glutine, Cytosine, Thymine
4. There are 7.2 billion nucleotides in the human genome. Select true or false.
 - A. True
 - B. False
5. A DNA sequence is determined by fragment DNA into millions of small pieces, fragments are individually sequenced into “sequence reads” of a few hundred bases, and compare sequence reads to look for overlap. Select true or false.
 - A. True
 - B. False