

## Genomics vs Genetics – 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. Larry Johnson; professor of immunology
- D. Dr. Larry Johnson; professor of genetics

2. What is a genome?

- A. The entire diploid set of DNA (all of the genes)
- B. The entire diploid set of RNA (all of the genes)
- C. The entire haploid set of DNA (all of the genes)
- D. The entire haploid set of RNA (all of the genes)

3. The difference between genomics and genetics is that genetics is the study of individual genes and genomics is the study of the function and interaction of all genes in the DNA. Select true or false.

- A. True
- B. False

4. How many molecules of DNA make up the human genome?

- A. 23
- B. 46
- C. 13
- D. 32