

What Makes Up Cells – Viewing Guide

1. Who is the scientist in this video (Give his name and title; for example, biology professor, veterinarian, etc.)

- A. Dr. Larry Johnson; histology professor
- B. Dr. Larry Jackson; histology professor
- C. Dr. Larry Johnson; physician's assistant
- D. Dr. Larry Jackson; physician's assistant

2. What is the main topic of this scientist presentation?

- A. Different organ systems
- B. The components inside a cell
- C. The functions of different cells
- D. Cellular mutations

3. What are the two main components of a cell?

- A. Tissue and organs
- B. Organs and mitochondria
- C. Mitochondria and nucleus
- D. Nucleus and cytoplasm

4. Which of the following is not one of the 6 membranous organelles.

- A. Cell membrane
- B. Cytoplasm
- C. Mitochondria
- D. Endoplasmic reticulum

5. The 4 non-membranous organelles include microfilaments, microtubules, intermediate filaments, and free ribosomes. Select true or false.

- A. True
- B. False

6. What 2 types of microscopes were used to view the organelles?

- A. Light microscope and dark microscope
- B. Light microscope and electron microscope
- C. Dark microscope and electron microscope
- D. Medium microscope and light microscope

7. Which microscope allows you to view more details?

- A. Electron microscope
- B. Dark microscope
- C. Light microscope
- D. Medium microscope

8. What does the nucleolus produce?

- A. Endoplasmic reticulum
- B. Mitochondria
- C. Cytoplasm
- D. Ribosomes

9. Knowing the structure and function of cell organelles cannot help scientists to solve problems. Select true or false.

- A. True
- B. False