

CELL ORGANELLES

1. How does the structure of a cell suggest its function?
2. In what way does the nucleus dictate the structure and function of the cell?
3. How does the cell membrane act as the "gatekeeper" for the cell?
4. What is meant by the phrase "the cell is the functional unit of life"?
5. How are the organelles in a cell like the organs in a human body?
6. Why do you think cells that produce large numbers of proteins have more rough endoplasmic reticulum (ER) than cells that produce fewer proteins?
7. In which kinds of human cells would you expect to find the most mitochondria? The most lysosomes? The most ribosomes? Explain your answers.