

Chapter 6 Cell Structure and Function Review

1. Explain why are cells so small?

2. Distinguish prokaryotes and eukaryotes.

3. Describe the structure and function of each of the following cellular components:
 - 1) Plasma membrane

 - 2) Nucleus

 - 3) Ribosomes

 - 4) Rough endoplasmic reticulum

 - 5) Smooth endoplasmic reticulum

 - 6) Golgi apparatus

 - 7) Mitochondria

 - 8) Lysosomes

 - 9) Peroxisomes

 - 10) Plasma membrane

 - 11) Cell wall

 - 12) Cytoskeleton

13) Chloroplasts

14) Central vacuole

15) Chromatin

4. Which of the following organisms lack cell wall? Animal, plant, bacterium, fungus and protists
5. List the differences between an animal cells and a plant cell.
6. List intercellular junctions in plant and animal cells and state their functions.