Cell Components: Organelles and Their Function (pp. 142-143 – Science 9 Textbook)

Answer in sentence form. These are to be passed in and are worth marks!

1. What are the 3 main parts of a cell? (Hint: cm, n, and c)
2. Where is the genetic information found in the cell?
3. Looking at the diagram in Figure 1, list each organelle and write out its function.
4. Looking at the diagram in Figure 2, you should notice 3 organelles that look different and were not found in the animal cell. List these 3 organelles and write out their functions.
5. The diagram of the animal cell in Figure 1 should have shown several small, round vacuoles. Bearing this in mind and examining the 2 diagrams, list 4 differences between an animal cell and a plant cell.
6. When looking under a microscope, what do you suppose is the most recognizable difference in an animal and a plant cell? (Hint: think about the first cells observed by Hooke)
7. How does the structure of a plant cell differ from that of an animal cell?
8. What can a plant cell do that no animal cell can? What plant-cell structure enables it to carry out this function?
9. Some cells need to be able to move around. How do they do it?

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