

Name

2.8 Cell Structure

1. List five organelles eukaryotes have that **prokaryotes** do not have.
2. Explain how the following organelles ensure that a cell has the proteins it needs: **nucleus**, rough ER, vesicles, and Golgi apparatus.
3. What is the main difference between rough endoplasmic reticulum and smooth endoplasmic reticulum?

4. Describe the three types of vesicles.