Cell structure research

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| Organelle | A sketch of the organelle | What is the function of the organelle | How is the organelle adapted to carry out its function? |
| Nucleus |  |  |  |
| Mitochondria |  |  |  |
| Lysosomes |  |  |  |
| Ribosomes (70S and 80S) |  |  |  |
| Rough endoplasmic reticulum (RER) |  |  |  |
| Smooth endoplasmic reticulum (SER) |  |  |  |
| Golgi apparatus |  |  |  |
| Vesicles |  |  |  |
| Chloroplasts |  |  |  |
| Vacuoles |  |  |  |
| Cell walls |  |  |  |
| Flagella |  |  |  |
| Nucleoid |  |  |  |
| Plasmids |  |  |  |
| Mesosomes |  |  |  |
| Pili |  |  |  |
| Slime capsule |  |  |  |