|  |  |  |  |  |
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| Chapter 1  1.3 | Types of Cells & Their Parts  P. 24-37 | | | |
| **Vocabulary & Concepts** | | | | |
| prokaryotic | | eukaryotic | bacteria | organelle |
| nucleus | | cytoplasm | endoplasmic reticulum | ribosome |
| Golgi bodies | | vesicles | vacuoles | lysosome |
| chloroplast | | cell wall | photosynthesis | cellular respiration |

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| Types of Cells |

**Cells**

Bacteria

Archaea

Plant

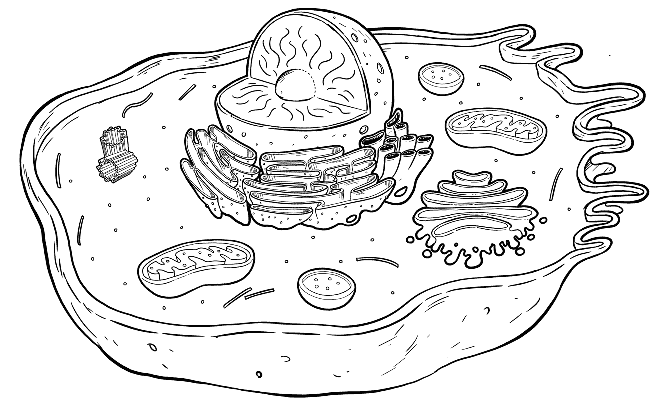
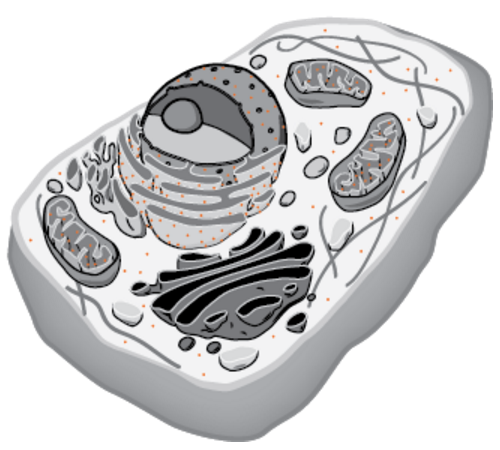
Animal

Protists

Fungi

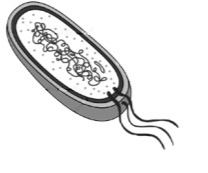
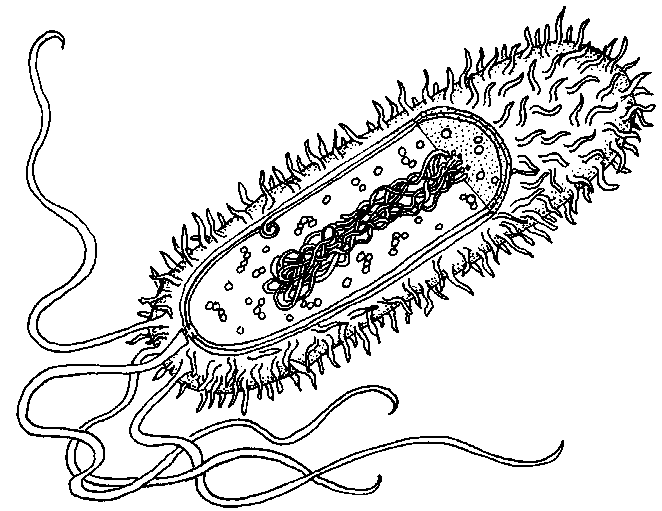
**Eukaryotic**

These are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells that have many \_\_\_\_\_\_\_\_\_\_\_\_\_ (internal structures), including a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Prokaryotic**

These are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells that don’t have many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (internal structures). They lack a \_\_\_\_\_\_\_\_\_\_\_\_\_



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| Animal and Plant Cells |

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| **Animal** | **Plant**  Image result for plant cell no labels |

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| **The BIG Summary** | | | |
| Part / Organelle | Function | Animal  Image result for pawprint | Plant |
| nucleus |  |  |  |
| endoplasmic reticulum |  |  |  |
| ribosome |  |  |  |
| Golgi bodies |  |  |  |
| vesicle |  |  |  |
| vacuole |  |  |  |
| lysosome |  |  |  |
| mitochondria | Carries out \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a chemical reaction that gives the cell energy: |  |  |
| chloroplast | Carries out \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a chemical reaction that uses \_\_\_\_\_\_\_\_\_\_\_\_\_ to make sugar. |  |  |
| cytoplasm |  |  |  |
| cell membrane |  |  |  |
| cell wall |  |  |  |

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| Chapter 1  1.4 | Micro-organisms  P. 38-45 | | | |
| **Vocabulary & Concepts** | | | | |
| Micro-organsim | | microbe | bacteria | pathogen |
| red tide | |  |  |  |

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| What are Micro-organisms? |

A micro-organism, or microbe for short, is simply an organism that is really small. Two examples are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Microbes are our friends! ☺ | |
| http://sailorsforthesea.org/sites/default/files/styles/large/public/Phytoplankton.jpg?itok=5nvOA9Gx |  |
|  |  |
| Image result for compost |  |
| Image result for prescription drugs |  |
|  |  |
| http://www.sccollege.edu/SiteCollectionImages/Private/_intestines.gif |  |

|  |  |
| --- | --- |
| Microbes are not our friends ☹ | |
| Image result for food poisoning |  |
| http://cdn.trendhunterstatic.com/thumbs/looks-at-decomposition.jpeg |  |
| http://www.healthline.com/hlcmsresource/images/Image-Galleries/Strep_Throat/Strep_throat.jpg | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are microbes that are harmful to people. Streptococcus bacteria is an example. It causes strep throat. Other examples include \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| Image result for red tide | When phytoplankton in the ocean grow out of control, it causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The phytoplankton produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (harmful chemicals) that end up in shellfish. Eating the shellfish during this time will result in serious \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |