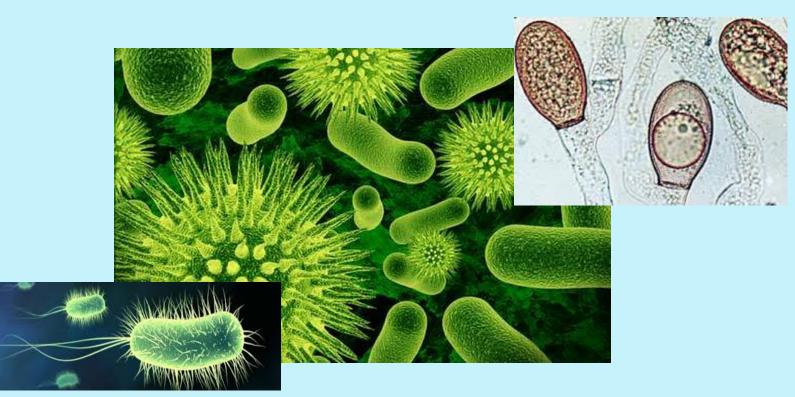
## **Unit 1: Cells and Systems**

## Section 4: Microbes



## <u>Microbes</u>

- Microbes or microorganisms are organisms that require magnification to be seen (smaller than 1 mm).
- Microbes exist **everywhere**!



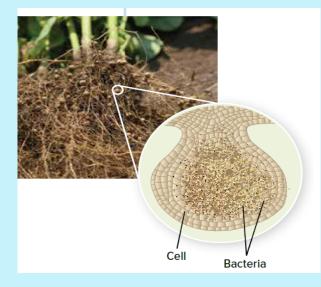
- About 700 species of bacteria live in your mouth
  - Some cause tooth decay
  - Some bacteria keep your mouth healthy by outcompeting disease-causing bacteria



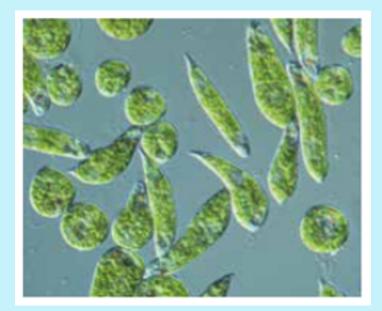


There are microbes in soil to help break down or **decompose** dead materials such as rotting wood.

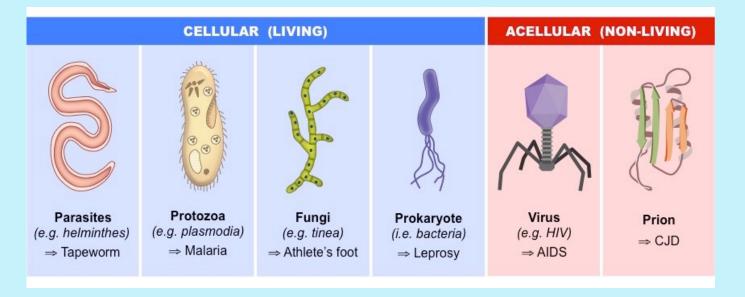
 Bacteria also help plants grow by bringing nitrogen into the soil.



- Microbes are also found in fresh water.
- **Protists** are small single-celled organisms found in fresh water such as ponds.



- There are microbes that are beneficial to humans and others that cause disease.
- Microbes that cause people to get sick are called **pathogens**.



## Read pg. 42-43 of your text. Give examples of positive and negative interactions between humans and microbes.

<b>Positive Interaction</b>	Negative Interaction