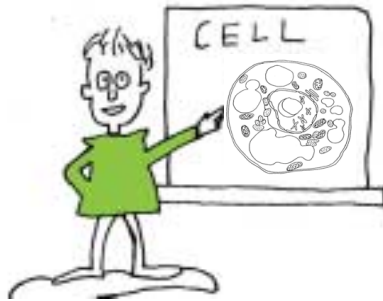


What are cells?



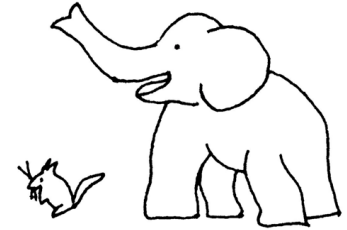
Hello, everyone. Today, I am going to talk about cells.



Wherever you look, there are living things, such as trees, birds, and flowers.



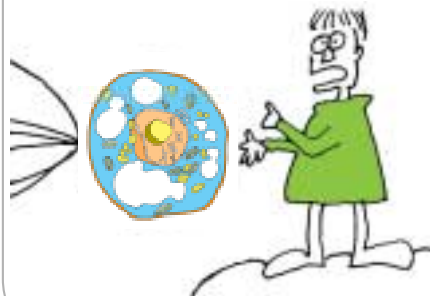
All living things have different sizes, shapes, and characteristics, but...



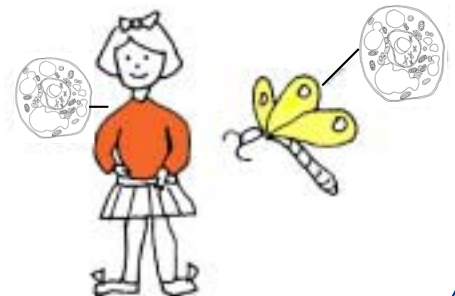
... they have one thing in common.



The commonality is that they are all made of cells.



Cells are basic units of all living things including human beings, like...



... a building brick of this Lego castle, or a brick of this house.



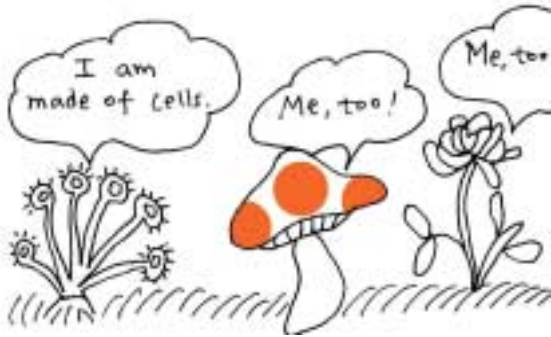
For example, dogs are made of cells and ...



What are cells?



... so are all plants.



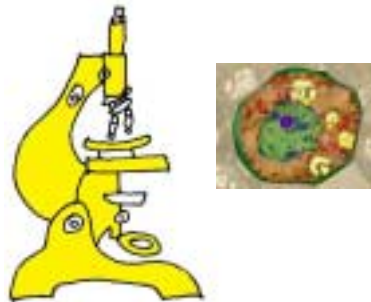
But nonliving things do not have cells.



Do you think you can see cells with your eyes? No. Cells are so tiny that you cannot see them with naked eyes.



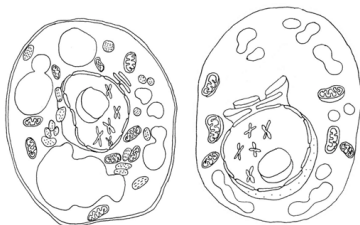
You have to use a microscope to see cells.



As you can see, cells are not exactly the same in their shapes and structure.



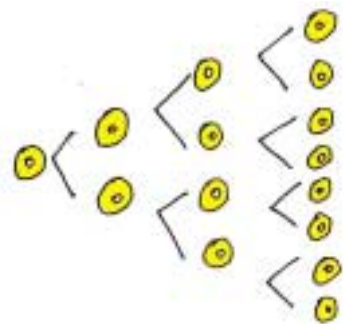
But they are remarkably similar, as in these drawings.



There is one more thing you have to remember about cells.



New cells are produced from existing cells.



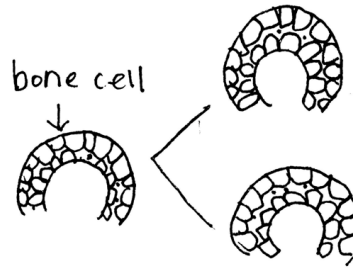
What are cells?



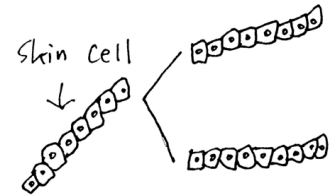
So when you grow,



it's because your bone cells are making more bone cells, and ...



... your skin cells are making more skin cells.



Can you understand? Ok. Now, I am going to ask you some questions.



Read what I've said once again and ...



... read "Things to Remember!" in the next page and then complete practices.



Answer key is provided on the next page of the practices.



See you in the next lesson.

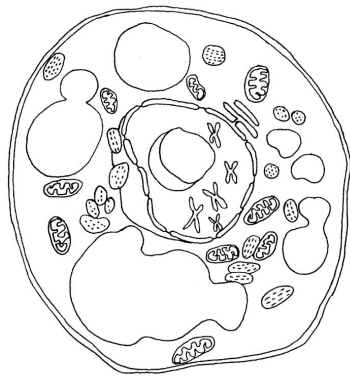


What are cells?

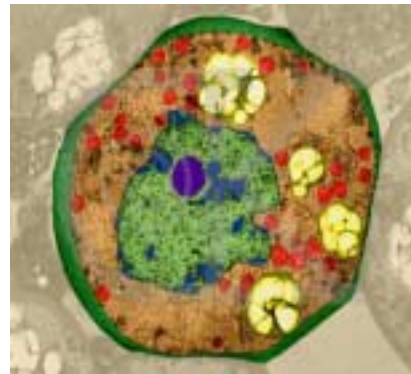


Things to Remember!

1. Cells are basic units of all living things including human beings.
2. Cells are not exactly same in their shape and structure, but remarkably similar.
3. New cells are produced from existing cells.



Line drawing of a cell



Real image of a cell



What are cells?



Small Practices

1. Fill in the blank.
_____, which are very tiny, make up all living things.

2. Answer yes or no.
Is this spider made up of cells? _____

