

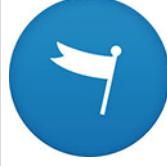
شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية



ملخص درس Life and Cells

[موقع المناهج](#) ← [المناهج الإماراتية](#) ← [الصف السادس](#) ← [علوم](#) ← [الفصل الثاني](#) ← [الملف](#)

التواصل الاجتماعي بحسب الصف السادس



روابط مواد الصف السادس على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

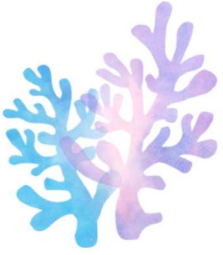
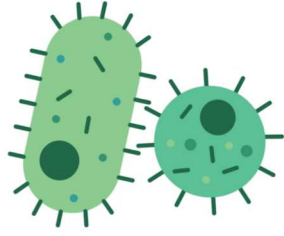
[اللغة العربية](#)

[التربية الاسلامية](#)

المزيد من الملفات بحسب الصف السادس والمادة علوم في الفصل الثاني

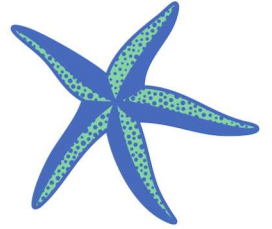
دليل تصحيح أسئلة الامتحان الورقي - انسابير	1
أسئلة الامتحان النهائي - بريدج	2
أسئلة الامتحان التحريبي - انسابير	3
أسئلة الامتحان التحريبي - بريدج	4
حل مراجعة وفق الهيكل الوزاري مع نماذج امتحانات سابقة	5

Cells & Life



TERM 2

Grade 6

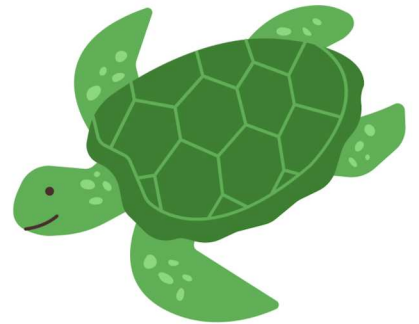
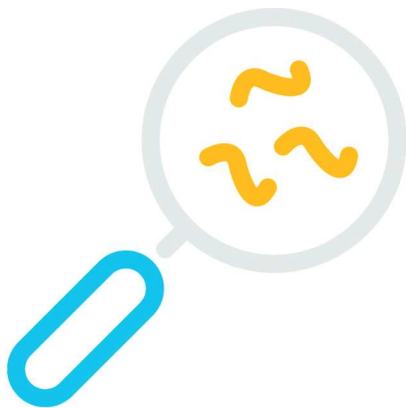


Science



Summary

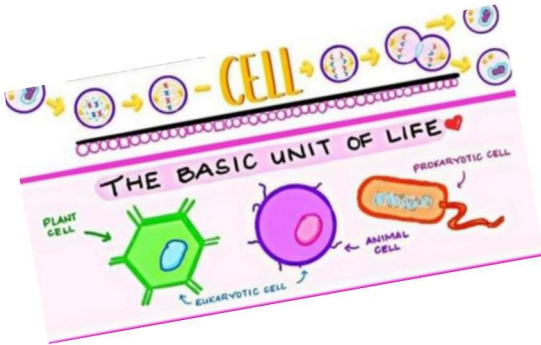
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Ms Fasna
Al Maseera School
Alain

Lesson 1

Exploring life



CELL

The smallest unit that can live on its own and that makes up all living organisms and the tissues of the body.

THE CELL THEORY

① All living things are made up of cells

② Cells are the basic structural unit of all living organisms.

③ All cells come from preexisting cells.

Cell theory

The three scientists who discovered cell theory: Theodor Schwann, Schleiden, and Rudolf Virchow.

Microscope

It is used to magnify objects.

light microscope

- Uses light and lenses to enlarge images
- Can enlarge an image upto 1500 times

Electron microscope

- passes electrons in the objects surface. They are of two types
- Transmission Electron microscope(TEM)-Help to observe internal structure of the cell.
- Scanning Electron microscope(SEM)-Help to observe the surface of the cell.

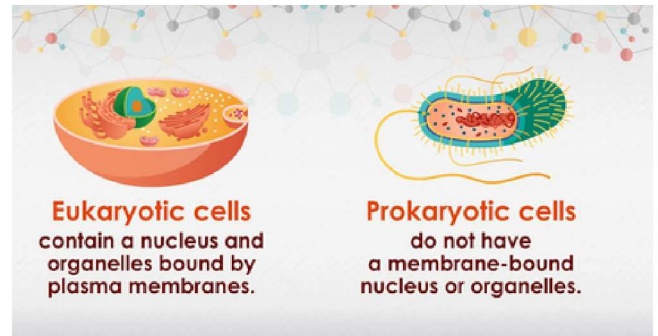


7 Characteristics of Life

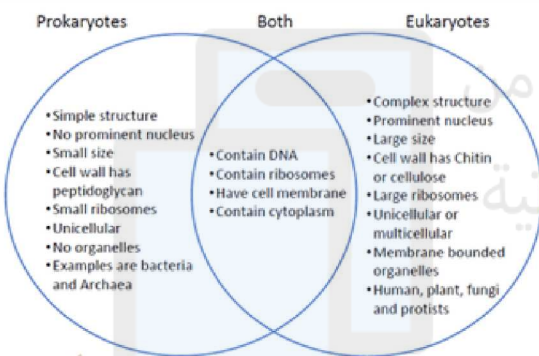
1. Living things are composed of cells
2. Living things have different levels of organization
3. Living things use energy
4. Living things respond to the environment
5. Living things grow and develop
6. Living things reproduce
7. Living things adapt to the environment



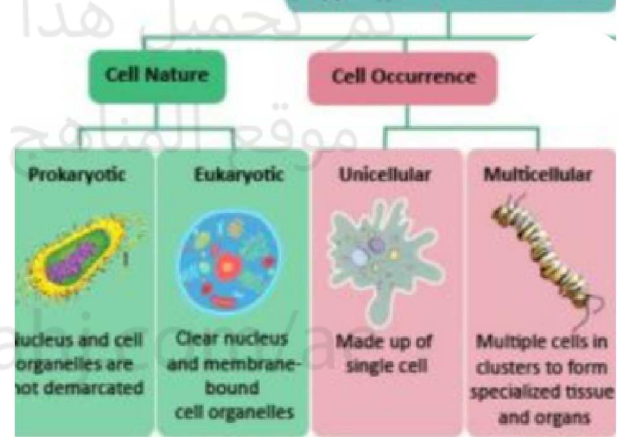
Prokaryotes and Eukaryotes



Venn Diagram of Prokaryotes and Eukaryotes



Types of Classification



Domains of classification.

A system of classification based on **3 domains and 6 kingdoms** was proposed by **Carl Woese in 1990**. In this system, living organisms are divided into three domains, each of which has six kingdoms.

Three Domains consist of

- Bacteria
- Archaea
- Eukarya



Five Kingdom Classification

*Given by Robert Whittaker

