

تم تحميل هذا الملف من موقع المناهج الإماراتية



ملخص الدرس الثاني function and structure Cell بنية الخلية ووظيفتها

موقع المناهج ← المناهج الإماراتية ← الصف السادس ← علوم ← الفصل الثاني ← ملخصات وتقارير ← الملف

تاريخ إضافة الملف على موقع المناهج: 13:28:25 2025-01-19

ملفات اكتب للمعلم اكتب للطالب | اختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل | منهج انجليزي | ملخصات وتقارير | مذكرات وبنوك | الامتحان النهائي للمدرس

المزيد من مادة علوم:

التواصل الاجتماعي بحسب الصف السادس



صفحة المناهج الإماراتية على فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف السادس والمادة علوم في الفصل الثاني

أوراق عمل مراجعة وحدة life Exploring استكشاف الحياة

1

ملخص درس life Exploring استكشاف الحياة منهج انسابير

2

حل أوراق عمل مراجعة وحدة life Exploring استكشاف الحياة

3

ملخص الدرس الأول life Exploring استكشاف الحياة من وحدة life and Cell

4

ورقة عمل درس أشكال الطاقة المختلفة من الوحدة السادسة الطاقة والشغل

5

Answer Key with Questions

Lesson Check: Cell Structure and Function

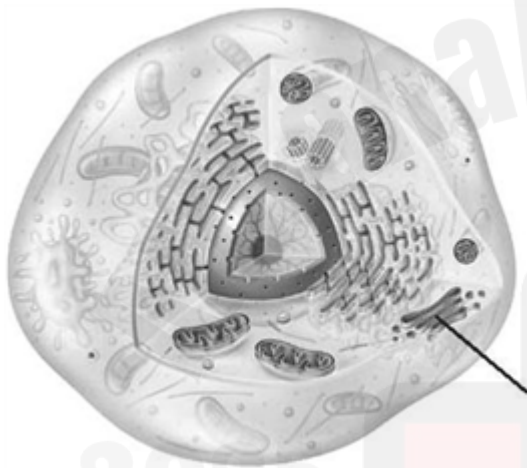
1) Cells make proteins on small structures called vesicles.

- True
- False

Correct Answer

False

2) To which organelle is the line pointing? What is its function?



- Golgi apparatus, packages proteins into vesicles
- Golgi apparatus, production of proteins
- Ribosome, packages proteins into vesicles
- Ribosome, production of proteins

Correct Answer

Golgi apparatus, packages proteins into vesicles

Answer Key with Questions

Lesson Check: Cell Structure and Function

3) Besides storage, what does a vacuole provide in a plant cell?

- energy
- protein production
- structure
- communication with other cells

Correct Answer

structure

4) What is the difference between a cell wall and a cell membrane?

- The cell wall is just outside the cell membrane and is strong and rigid.
- The cell membrane is just outside the cell wall and is strong and rigid.
- The cell wall is just outside the cell membrane and is more flexible.
- The cell membrane is just outside the cell wall and is more flexible.

Correct Answer

The cell wall is just outside the cell membrane and is strong and rigid.

5) In eukaryotes, the _____ are important organelles for cellular respiration and the _____ are organelles that use light energy and make food.

Correct Answer

Blank 1: mitochondria

Blank 2: chloroplasts

Answer Key with Questions

Lesson Check: Cell Structure and Function

6) On what structure in the cell are proteins needed for cells functions made?

Correct Answer

Answers may vary.

Explanation

proteins are made on ribosomes

7) _____ are organelles that transport proteins in the cell.

Correct Answer

Blank 1: Vesicles

8) Which **best** explains the function of a cell membrane?

- offers protection from the outside environment
- provides a framework to help the cell move
- transforms energy in the cell into ATP
- removes viruses from inside the cell

Correct Answer

offers protection from the outside environment

Answer Key with Questions

Lesson Check: Cell Structure and Function

9) What is the function of a lysosome?

- storing food
- preparing proteins
- making food
- breaking down material

Correct Answer

breaking down material

10) _____ ER is important because it helps remove harmful substances from a cell.

Correct Answer

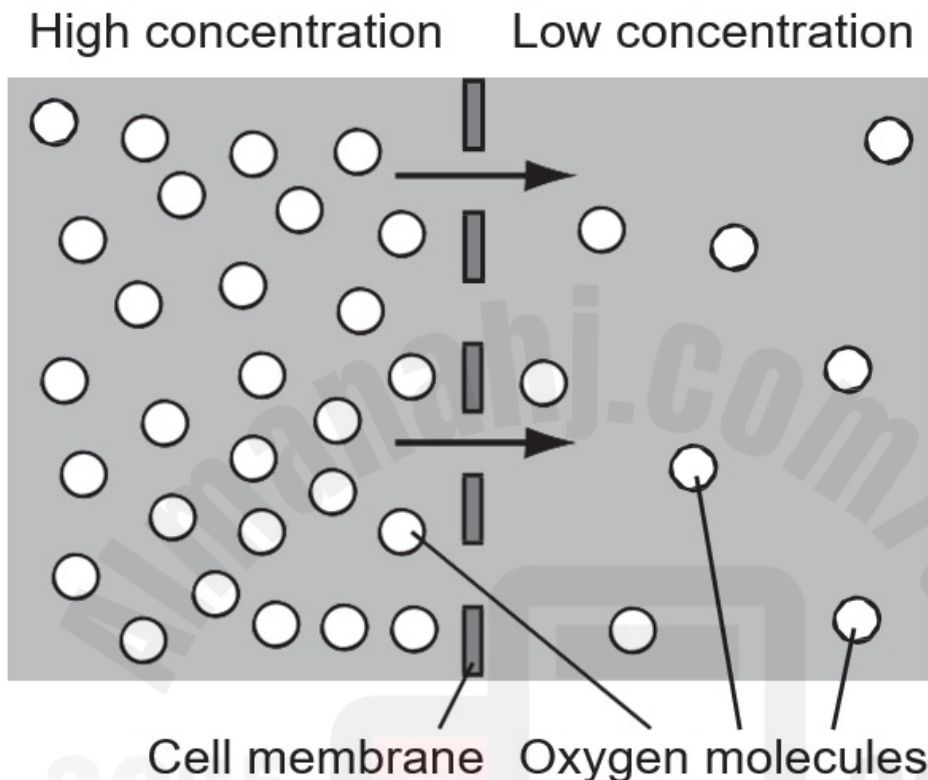
Blank 1: Smooth

Answer Key with Questions

Lesson Check: Cell Structure and Function

11) A teacher shared this model with her class.

Movement of Oxygen Molecules Across a Cell Membrane



Which statement is **best** explained by the model?

- how the cell membrane controls what enters and exits the cell
Reason: The diagram shows oxygen moving passively across the cell membrane because the structure allows some materials to move and not others.
- how the cell membrane protects the cell from harmful chemicals
Reason: The diagram shows oxygen moving with the concentration gradient; this does not provide evidence that harmful chemicals behave in the same way.
- how oxygen is important for body cells to survive and reproduce
Reason: Oxygen is important for cells to survive and reproduce, but there is nothing in the model that provides evidence of this.
- how oxygen concentration is always different inside and outside of cells
Reason: The diagram shows oxygen in different amounts, but there is no evidence that this is always the case (in fact, at some point the cells would reach equilibrium).

Correct Answer

Answer Key with Questions

Lesson Check: Cell Structure and Function

how the cell membrane controls what enters and exits the cell



Answer Key with Questions

Lesson Check: Cell Structure and Function

12) Mark is making a model of a living plant cell. The following objects are available to Mark for his model:

a cloth bag

a wire cage

a solar panel

a battery with wires

a zippered sandwich bag

Mark wants to represent the function of different plant cell parts by using objects that have functions similar to the cell's parts.

- a. Identify three objects Mark can use in his model that each represent a different plant cell part.

- Explain how the function of each object identified in part (a) is similar to the function of the cell part it can represent in Mark's model.

Correct Answer

Answer Key with Questions

Lesson Check: Cell Structure and Function

Answers may vary.

Explanation

a. Objects available to Mark that he can use in his model to represent plant cell parts with similar functions include:

- the cloth bag [cell membrane]
- the wire cage [cell wall]
- the solar panel [chloroplast]
- the battery with wires [mitochondrion]

b. The explanation of how the function of each object is similar to the function of the plant cell part it represents in Mark's model may include:

- The cloth bag and the plant cell membrane are similar because they are both flexible and allow some materials to pass through them.
- The wire cage is similar to a plant cell wall because they are both rigid and can provide structure and support while still allowing some materials to pass through them.
- The solar panel is similar to a chloroplast in a plant cell because they both capture energy from the Sun and convert it to usable energy for the structures that contain them.
- The battery with wires and a mitochondrion are similar because they both store and release energy for processes in the structures that contain them.