

Body systems: Levels of organization



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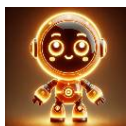
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ملفات اكتب للمعلم اكتب للطالب ا اختبارات الكترونية ا اختبارات ا حلول ا عروض بوربوينت ا أوراق عمل
منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي ا للمدرس

المزيد من مادة
علوم:

إعداد: Adel Rania

التواصل الاجتماعي بحسب الصف السابع



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف السابع والمادة علوم في الفصل الأول

أسئلة الدرس الأول: فهم العلم - منهج بريدج

1

Levels of Organization

2

ملخص وشرح الأسئلة الموضوعية والمقالية وفق الهيكل الوزاري الجديد منهج بريدج

3

نموذج الاختبار التجريبي الموحد وفق الهيكل الوزاري منهج بريدج

4

دليل شامل لاختبارات العلوم التفاعلية مع مراجعة وشهادات اجتياز للاختبار الافتراضي

5



Body systems

Levels of organization



التاريخ

28/8/2026



المعلمة

Rania Adel



الصف

السابع
انسباير



المادة

Science



افهم



اكتشف



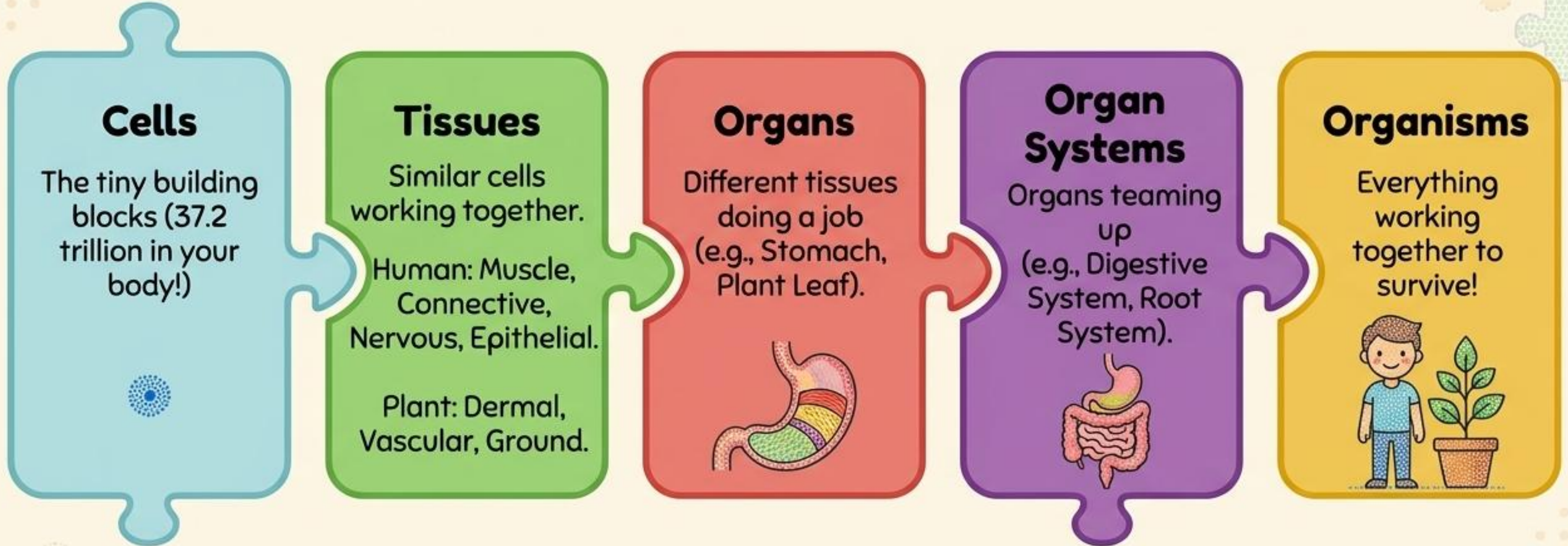
استكشف

Levels of Organization



The Ultimate Science Challenge!

Quick Revision: The Biological Zoom



Remember: Just like Pointillism art, tiny dots (cells) group together to make the big picture!

LEVEL 1: Multiple Choice (Questions 1-4)

Q1: How many cells do scientists estimate are in the human body?



A) 100 thousand

B) 1 billion

C) 37.2 trillion

D) 50 million

Q2: What is the process called where first cells divide and become specific types of cells (like nerve or blood cells)?

A) Pointillism

B) Cell differentiation

C) Dialysis

D) Harvesting

Q3: Which type of human tissue is responsible for causing movement?

A) Connective tissue

B) Epithelial tissue

C) Nervous tissue

D) Muscle tissue

Q4: Which plant tissue provides protection and helps reduce water loss?

A) Dermal tissue

B) Vascular tissue

C) Ground tissue

D) Muscle tissue

LEVEL 1: Multiple Choice (Questions 5-8)

Q5: What is the main job of red blood cells?



- A) To fight infections
- B) To carry oxygen
- C) To stop bleeding
- D) To digest food

Q6: The stomach is made of four different types of tissues working together. This makes the stomach an example of:



- A) A cell
- B) A tissue
- C) An organ
- D) An organ system

Q7: Which of the following is part of a plant's shoot system?



- A) Only the roots
- B) Leaves, stems, and flowers
- C) Only the ground tissue
- D) The pelvic bone

Q8: If a patient's kidneys fail, what artificial process is used to remove wastes from their blood?



- A) Photosynthesis
- B) Cell differentiation
- C) Pointillism
- D) Dialysis

LEVEL 1: Multiple Choice (Questions 9-12)

Q9: What is the correct order of the levels of organization, from smallest to largest?

- A) Tissues -> Cells -> Organisms -> Organs -> Organ Systems
- B) Cells -> Tissues -> Organs -> Organ Systems -> Organisms
- C) Organs -> Cells -> Organ Systems -> Tissues -> Organisms
- D) Organisms -> Organ Systems -> Organs -> Tissues -> Cells

Q10: Which plant tissue acts like a transportation highway, moving water and nutrients from one part of a plant to another?

- A) Vascular tissue
- B) Dermal tissue
- C) Ground tissue
- D) Epithelial tissue

Q11: During a bone marrow transplant, where is healthy bone marrow usually harvested from the donor?

- A) The skull
- B) The ribs
- C) The pelvic bone (hip)
- D) The spine

Q12: Which type of blood cell is responsible for fighting off infections?

- A) Red blood cells
- B) White blood cells
- C) Platelets
- D) Stem cells

LEVEL 2: True or False (Questions 13-18)

Q13: Unicellular organisms are made of more than one cell.



Q14: The human stomach is made up of only one single type of tissue.



Q14: The human stomach is made up of only one single type of tissue.



Q16: Organ systems in the human body do not depend on other; they can easily work alone.



Q15: Connective tissue provides structure and support in the human body.



Q17: Organ systems in the human body and is transported to the leaves by the system.



Q17: In a plant, water diffuses into the roots and is transported to the leaves by the shoot system.



Q18: A healthy kidney can be donated to a patient by a living donor.



LEVEL 3: Choose the Correct Answer (Questions 19-23)

Q19: A style of painting where many tiny dots are grouped to form an image—similar to how cells organize in the body—is called **Pointillism** or Realism.

Q20: If you get a cut, the blood components that help stop the bleeding are the **platelets** or red blood cells.

Q21: The protective outer layer of your skin is formed by **epithelial** or nervous tissue.

Q22: A plant relies on its root system to **produce flowers** or **anchor the plant** and take in water.

Q23: In a plant leaf, ground tissue (where photosynthesis happens) is tightly packed on the **top** or **bottom** half of the leaf.

LEVEL 4: Matching Systems (Questions 24-25)

Match the tissue type to its correct job!

Q24: Human Tissues

1. Nervous Tissue

A. Connects other tissues and provides support.

2. Muscle Tissue

B. Carries messages to and from the brain.

3. Connective Tissue

C. Contracts to cause movement.

Q25: Plant Tissues

1. Dermal Tissue

A. Provides storage and is where photosynthesis takes place.

2. Vascular Tissue

B. Provides protection and reduces water loss.

3. Ground Tissue

C. Transports water and nutrients throughout the plant.

LEVEL 4: Matching Systems (Questions 26-27)

Q26: Blood & Bone Marrow

1. Red Blood Cells

A. Fight infections in the body.

2. White Blood Cells

B. Can develop into different types of blood cells.

3. Platelets

C. Carry oxygen throughout the body.

4. Stem Cells

D. Help stop bleeding.

Q27: Levels of Organization

1. Cell

A. Groups of different organs working together.

2. Tissue

B. The basic building block of a living organism.

3. Organ

C. Groups of similar cells carrying out a specific task.

4. Organ System

D. A group of different tissues working together to perform a job.

LEVEL 5: Short Answer Challenge (Questions 28-30)

Q28: What are the four main types of tissue found in the human body?

Q29: Name two specific organs that make up the human digestive system, as mentioned in the lesson.



Q30: Why is a plant leaf considered an 'organ' instead of just a tissue? Explain using the types of tissues found inside it.

ANSWER KEY (Part 1)

**Top Secret: For Teachers
and Self-Grading Only!**

Multiple Choice (Levels 1)

True/False (Level 2)

1. C (37.2 trillion)

6. B (Leaves, stems, and flowers)

13. False

2. B (Cell differentiation)

7. B (Leaves, stems, and flowers)

14. False

3. D (Muscle tissue)

8. D (Dialysis)

15. True

4. A (Dermal tissue)

9. B (Cells -> Tissues -> Organs ->
Organ Systems -> Organisms)

16. False

5. B (To carry oxygen)

10. A (Vascular tissue)

17. True

6. C (An organ)

11. C (The pelvic bone / hip)

18. True

7. B (Leaves, tissue)

8. B (Leaves, bond cells)

12. B (White blood cells)

ANSWER KEY (Part 2)

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Choose the Correct Answer (Level 3)

19. Pointillism

20. platelets

21. epithelial

22. anchor the plant

23. top

Matching (Level 4)

24. Nervous (B), Muscle (C),
Connective (A)

25. Dermal (B), Vascular (C),
Ground (A)

26. Red Blood Cells (C),
White Blood Cells (A),
Platelets (D), Stem Cells (B)

27. Cell (B), Tissue (C), Organ
(D), Organ System (A)

Short Answer (Level 5)

28. Muscle, connective,
nervous, and epithelial.

29. (Any two): Stomach, small
intestine, liver, large intestine.

30. A leaf is an organ because
it is made of different types of
tissues (dermal, ground, and
vascular) working together to
perform a specific job
(photosynthesis).



Teacher Rania Adel