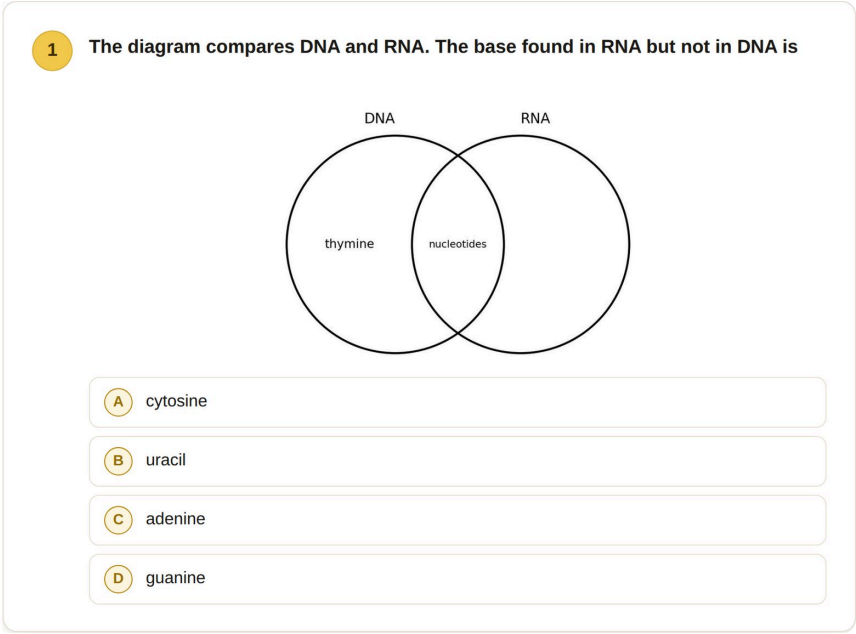
BRITISH COLUMBIA LIFE SCIENCES 11 (MLFSC11) · UNIT A · 10 QUESTIONS

Characteristics of Living Things and Cell Biology — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The diagram compares DNA and RNA. The base found in RNA but not in DNA is**



- **A** cytosine
- **B** uracil
- **C** adenine
- **D** guanine

Understand It with Pulse | Flag a mistake

2 **Photosynthesis in a green plant takes in carbon dioxide and water and produces**

A carbon dioxide and water

B oxygen and chlorophyll

C glucose and oxygen

D glucose and nitrogen

Understand It with Pulse | Flag a mistake

3 **The energy released by cellular respiration is stored mainly as**

A DNA

B starch

C cellulose

D ATP

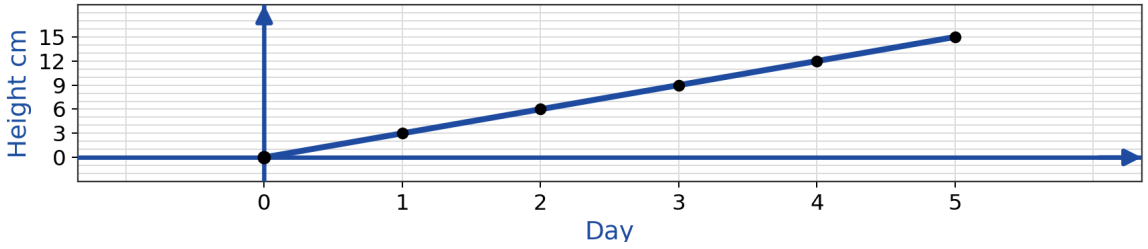
Understand It with Pulse | Flag a mistake

4 **A cell that needs a lot of energy would be expected to have many**

- **A** mitochondria
- **B** chloroplasts
- **C** cell walls
- **D** large vacuoles

Understand It with Pulse | Flag a mistake

5 **The graph shows the height of a seedling over five days. On day 4, the seedling height is**



- **A** 9 cm
- **B** 12 cm
- **C** 15 cm
- **D** 6 cm

Understand It with Pulse | Flag a mistake

6 **Which feature is shared by all cells, prokaryotic and eukaryotic**

A a chloroplast

B a cell wall

C a cell membrane

D a nucleus

Understand It with Pulse | Flag a mistake

7 **Order as a characteristic of living things means that organisms**

A never change over time

B all look exactly alike

C need no energy to stay alive

D have organized structures such as cells

Understand It with Pulse | Flag a mistake

8 **If a plant is kept in darkness, photosynthesis will slow because**

A light energy is a reactant

B carbon dioxide is a product

C water is no longer made

D chloroplasts turn into mitochondria

Understand It with Pulse | Flag a mistake

9 **Transfer RNA during protein synthesis brings**

A water across the membrane

B amino acids to the ribosome

C DNA out of the nucleus

D glucose into the mitochondrion

Understand It with Pulse | Flag a mistake

10 **Which level of organization comes between a cell and an organ**

A population

B molecule

C tissue

D organism

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. D
4. A
5. B
6. C
7. D
8. A
9. B
10. C

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