

اسم الطالب :

رقم الجلوس :

امتحان مادة : العلوم المتكاملة (بالانجليزية)
للفصل الأول الثانوى
الفصل الدراسى الثانى - ٢٠٢٥



منصة الاختبارات الالكترونية
لأبنائنا فى الخارج ٢٠٢٥

1- When sunlight reaches the plant, the plant makes a process known as photosynthesis.

In this process,

a	chemical energy is converted into light energy
b	light energy is converted into chemical energy
c	thermal energy is converted into chemical energy
d	chemical energy is converted into thermal energy

2- What is of the percentage of energy that is transferred from one trophic level to the next level in a food chain?

a	90%
b	10%
c	50%
d	100%

3- An ideal gas is compressed in a cylinder very slowly to half its original volume.at constant temperature. The work done in the compression was 50J what is the amount of heat that transferred to or from the gas?

a	50 J
b	100 J
c	-50 J
d	-100 J

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4- How does the efficiency of energy systems contribute to preserving environmental resources?

a	It reduces energy consumption and reduces the use of fossil fuels
b	It increases energy consumption and leads to resource depletion
c	It does not affect resource usage
d	Increases carbon emissions

5- The main chemical reactions in the carbon and nitrogen cycles are.....

a	Cellular respiration, photosynthesis, and nitrification
b	Photolysis, nuclear fusion, and mineralization
c	Photosynthesis, decomposition, and filtration
d	Cellular respiration, nuclear fusion, and sedimentation

6- The main gas produced when fossil fuels are burned is

a	Oxygen O ₂
b	Carbon dioxide CO ₂
c	Nitrogen N ₂
d	Hydrogen H ₂

7- Environmental impacts resulting from the release of sulphur oxides (SO_x) into the atmosphere when burning fossil fuels are.....

a	Increase the percentage of oxygen gas in the atmosphere
b	Improvement in air quality
c	Formation of the acid rains
d	Increase the percentage of nitrogen gas in the atmosphere

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8- Which of the following methods is used to convert toxic chemical waste into less hazardous substances?

a	Burial in private places
b	Chemical treatment
c	recycling
d	Burning in high temperature ovens

9- A panel of photovoltaic cells produces an electrical potential difference of 10 V, and a current of intensity of 0.6 A passes when an electric circuit is closed. Calculate the electrical power it produces.

a	6 Watt
b	0.06 watt
c	50/3 watt
d	3/50 watt

10- When fossil fuels such as coal is burned, what substance is produced and contributes in global warming?

a	water vapour (H ₂ O)
b	nitrogen oxide (NO ₂) _o
c	ozone (O ₃)
d	carbon dioxide (CO ₂)

(انتهت الأسئلة)