
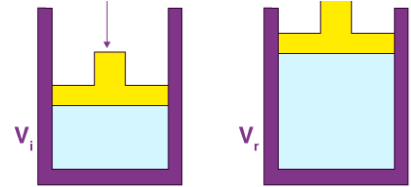


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امتحان مادة : العلوم المتكاملة (بالانجليزية) للفصل الأول الثانوى - دمج الفصل الدراسى الثانى - ٢٠٢٥	 منصة الاختبارات الالكترونية لأبنائنا فى الخارج ٢٠٢٥

1- An ideal gas was compressed in a cylinder very slowly to half its original volume. a constant temperature and the work done in the compression was 45 J.



What type of process is this?


a	Isothermal process
b	Isochoric process
c	Adiabatic process
d	All answers are right

2- One of the applications of nanotechnology in the field of energy storage is...

a	Using carbon nanotubes to make larger batteries
b	Using carbon nanotubes to make smaller batteries
c	Using nanoparticles to reduce battery life
d	Using nano-materials to reduce battery charging speed.

3- What is the main advantage of biofuels over fossil fuels?

a	Renewable
b	Low cost
c	More energy production
d	It does not produce any pollution

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4- What is the main purpose of using chemical decomposition to convert organic waste into fertilizer?


a	Reducing waste treatment costs
b	Converting waste into harmless and usable materials
c	Increasing the volume of waste
d	Improve water quality

5- What is the main environmental benefit of using green hydrogen as a fuel instead of fossil fuels?

a	Increasing energy consumption
b	Reducing carbon dioxide production
c	Improving combustion efficiency
d	Reducing energy cost

6- What is the main product of green hydrogen combustion, making it an environmentally friendly option?

a	Carbon dioxide (CO ₂)
b	Nitrogen oxide (NO ₂)
c	Water vapor (H ₂ O)
d	Carbon monoxide (CO)

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7- When sunlight reaches the plant, the plant make 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

(انتهت الأسئلة)