حل أسئلة الامتحان النهائي القسم الالكتروني منهج انسباير

تاريخ إضافة الملف على موقع المناهج: 2025-02-27 12:22:05

المزيد من مادة علوم:	ملفات ا كتب للمعلم ا كتب 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

التواصل الاجتماعي بحسب الصف التاسع العام

صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

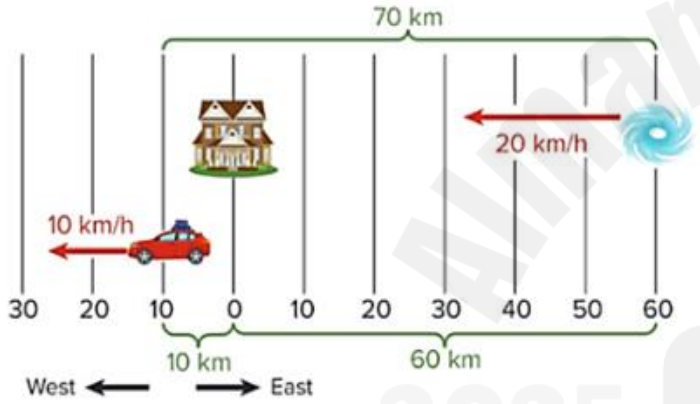
المزيد من الملفات بحسب الصف التاسع العام والمادة علوم في الفصل الثاني

1	أسئلة مراجعة نهائية وفق الهيكل الوزاري منهج انسباير
2	تجميعة قوانين المعادلات الرياضية مع أمثلة محلولة
3	أسئلة مراجعة نهائية وفق الهيكل الوزاري منهج انسباير
4	عرض بوربوينت الدرس الأول المادة والطاقة الحرارية من الوحدة السادسة
5	عرض بوربوينت درس الآلات

SCIENCE
GRADE 9 GENERAL
TERM 2
FINAL EXAM
2022-2023

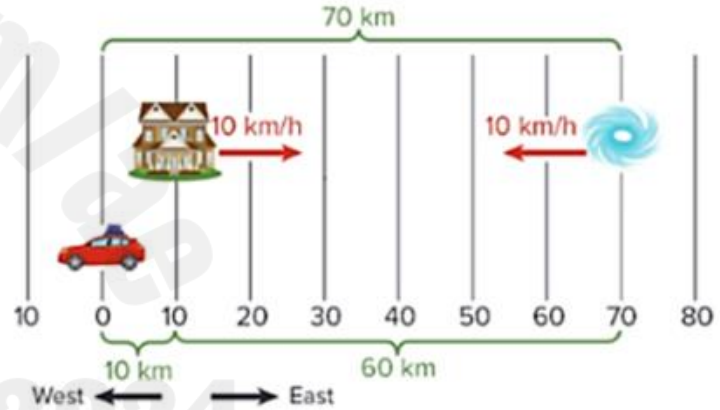
Study the figures below, the house is the reference point, which of the following figures represent the car movement at velocity = 10 km/h west, and 20 km away from its reference point?

1



2

3



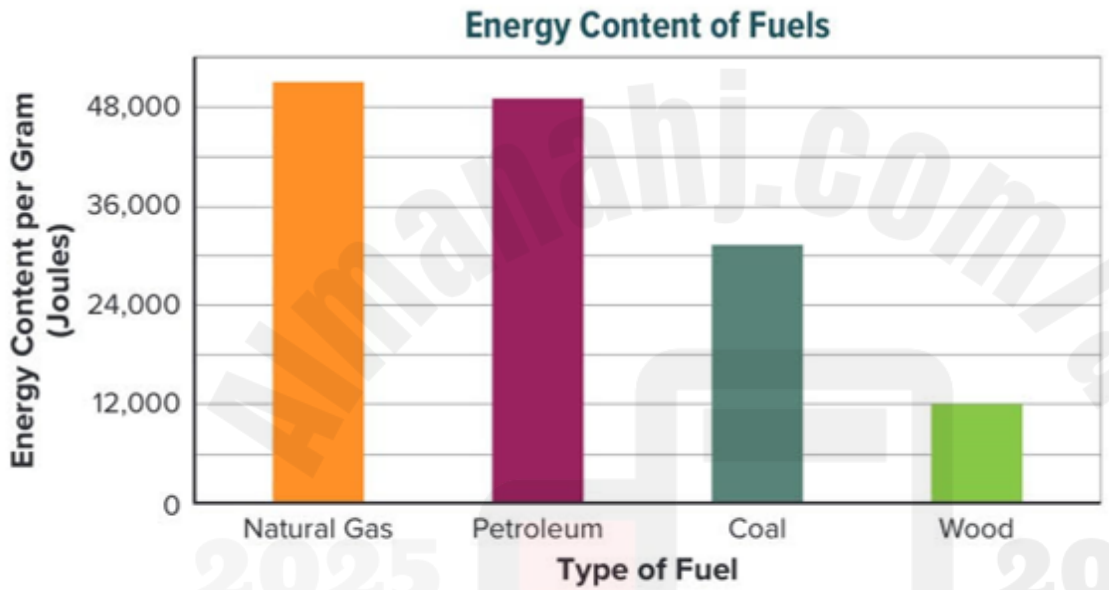
4

Kinetic energy is energy due to motion and it depends on mass and speed of an object, according to the following equation. If the mass of an object is doubled, how it will affect the kinetic energy?

$$\text{Kinetic energy (in joules)} = \frac{1}{2}\, m \times v^2$$

1	Kinetic energy will increase by the double
2	Kinetic energy will increase by a factor of 4
3	Kinetic energy will decrease by a factor of $\frac{1}{4}$
4	Kinetic energy will decrease by a factor of $\frac{1}{2}$

In the following graph of energy content of different types of fuels, which type of fuel contains the most usable energy per gram?



1	Natural gas
2	Petroleum
3	Coal
4	Wood

A runner at a track meet completes exactly one lap around a 400 m track.

What is the runner's distance and displacement traveled in a complete one lap?

1	The runner's traveled distance is 400 m, and his displacement is 0 m
2	The runner's traveled distance is 300 m, and his displacement is 100 m
3	The runner's traveled distance is 0 m, and his displacement is 400 m
4	The runner's traveled distance is 200 m, and his displacement is 200 m

In the swing–earth system the swing slows down and eventually comes to a stop due to friction, according to the law of conservation of energy, which of the following statements explains the change in energy of this system?

1	The law of conservation of energy does not apply on the swing–earth system
2	Kinetic energy is destroyed by friction force
3	Some of the mechanical energy is converted into a less–useful form e.g., thermal energy
4	Mechanical energy is transformed to surrounding in the form of sound energy and radiant energy

Which of the following are **NOT** a problem associated with using hydrogen fuel as an alternative energy resource?

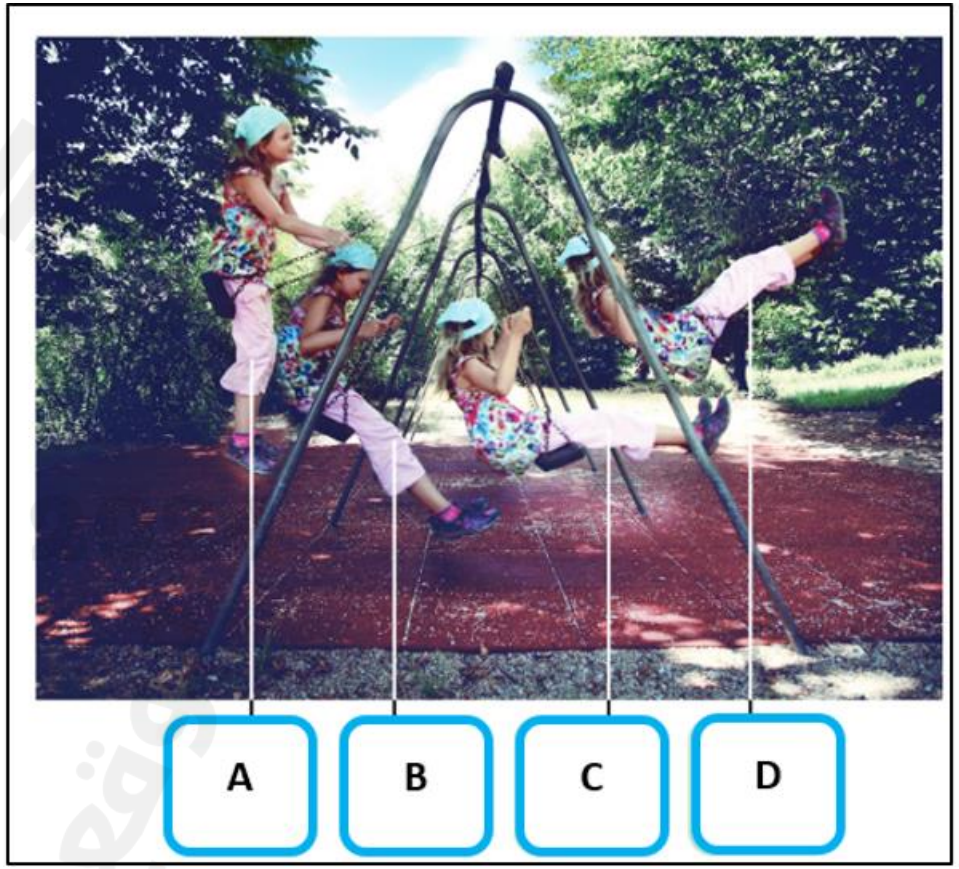
1	Pollutant produced from the chemical reaction in the hydrogen fuel cell
2	Obtaining hydrogen requires more energy the energy that is released by the fuel-cell reaction
3	Hydrogen fuel cells are built from expensive platinum parts
4	Lack of hydrogen fueling stations, as storing hydrogen is dangerous and difficult

Acceleration is the rate of change in velocity, or $a = \frac{\Delta v}{t}$, Solve the acceleration equation for the variable Δv.

1	$\Delta v = a \times t$
2	$\Delta v = a + t$
3	$\Delta v = \frac{a}{t}$
4	$\Delta v = \frac{t}{a}$

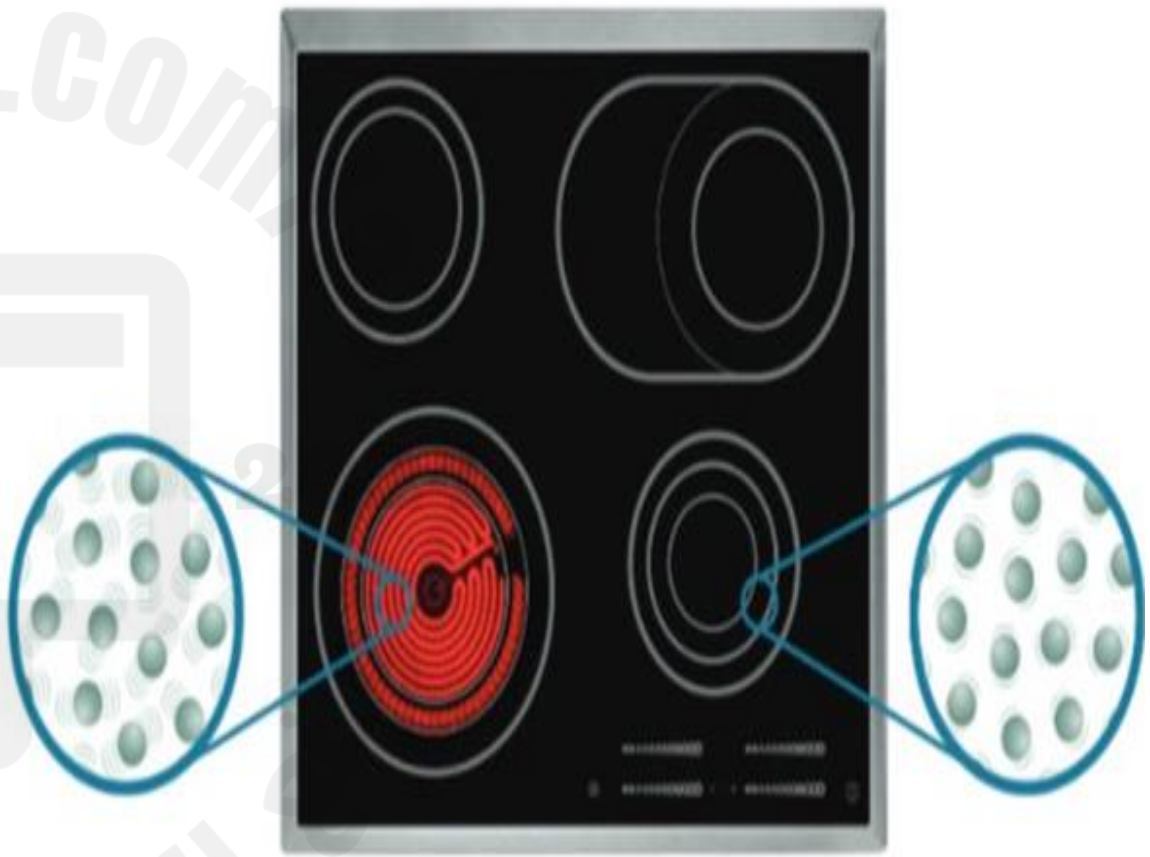
In the following figure a girl playing on a swing. Which of the following labeled positions on the girl's path has the maximum gravitational potential energy (GPE)?

1	A
2	B
3	C
4	D



In the following figure for the particles that make up the burner, which of the following energy is generated due to the motion of the burner particles?

1	Thermal
2	Nuclear
3	Kinetic
4	Potential



Machines change the way work is done. Which of the following is **NOT** one of those ways?

1	Increasing speed of an object
2	Increasing friction exert on object
3	Change the direction of an applied force
4	Increasing the output force

What is the type of potential energy that is stored in the vase placed on the bookcase shelf?

1	Gravitational potential energy
2	Electric potential energy
3	Chemical potential energy
4	Elastic potential energy

Which of the following statements is correct regarding **radiation**?

1	The thermal energy of a material **decreases** when that material absorbs radiant energy
2	Cooler objects radiate the **same amount** of thermal energy as warmer objects
3	Radiation transfers energy **more rapidly and efficiently** through liquids or solids than through gases
4	Radiation transfers thermal energy **from the Sun to Earth**

If work is greater than heat in the figure, then what must be true about the couch?

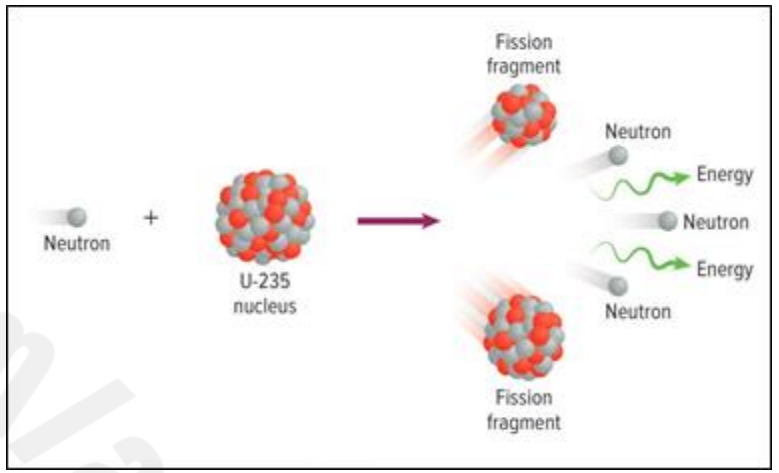
1	Its total energy is decreasing
2	Its total energy is constant
3	Its total energy is increasing
4	Its total energy increases, then decreases

Why are fossil fuels considered to be non-renewable resources?

1	They are no longer being produced
2	They are being produced as fast as they are being used
3	They contain hydrocarbons
4	They are not being produced as fast as they are being used

Which nuclear reaction is shown in the following figure?

1	Fusion
2	Fission
3	Synthesis
4	Combustion



Which of the following is NOT one of the methods that helps reduce pollution and negative impact on land?

1	Strong nitrate-based fertilizers
2	Organic farming method
3	Crop rotation method
4	Biological pest controls