

شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية



أسئلة الامتحان النهائي - انسابير

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التواصل الاجتماعي بحسب الصف التاسع العام



روابط مواد الصف التاسع العام على تلغرام

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

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Part C

C الجزء

Question

1

In the figure below two insects are flying over a pond, the **dragonfly** has a mass = 0.7 g and flies at a speed of 36 km/h, and the **ladybug** has a mass = 0.2 g flies at a speed of 60 km/h, answer the following questions.



a. Calculate the momentum for the **dragonfly**.

b. Calculate the momentum for the **ladybug**.

c. Compare the momentum for the insects using words to describe which one has greater momentum.

2

Question

- a. A worker is pushing a lawn mower with a horizontal force of 30 N , how much work is done when pushing the lawn mower 7 m to the left?



- b. A student carries 5 kg books 6 m to the right, Find the work done by the student?



Question

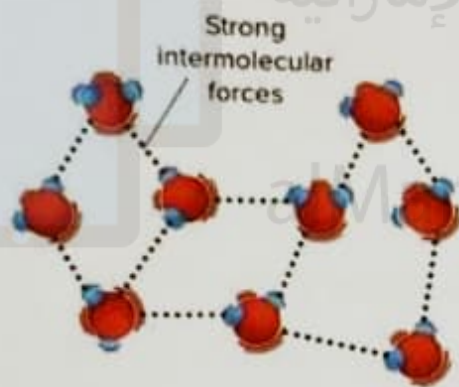
3

a. What does a coolant means?

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b. Use the figure below to compare and contrast, why water is a better coolant than metals?



Freely moving electrons



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.....

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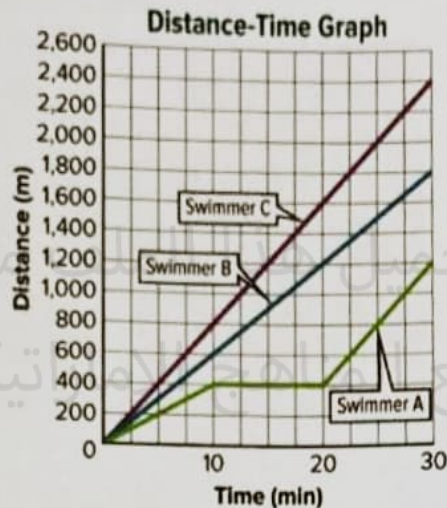
.....

***** BONUS *****

Question

5

Study the graph below that shows the motion of three swimmers during a 30-min workout, then answer the following questions:



a. What does the line's slope on the distance-time graph equal to?

b. What is indicated from the straight line for swimmer B and C?

c. How long did swimmer A stop swimming for (the resting interval)?

d. Which one of the following three swimmers had the highest average speed over the 30-min time interval?

e. What is the distance swimmer B swam through the 30-min workout?

***** BONUS *****

Question

6

Several days after a snowfall, the roofs of some homes on a street have almost no snow on them, while the roofs of other homes are still snow-covered as seen in the figure below.



- a. Give one reason, related to home insulation, that might cause this difference.

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- b. Fill the following table to compare between passive solar heating with active solar heating.

According to:	Passive solar heating	Active solar heating
Usage of a <u>pump</u>
Usage of a <u>solar collector</u>
Thermal energy is stored in.....