

اختبار الوحدة الأولى



تم تحميل هذا الملف من موقع المناهج الإماراتية

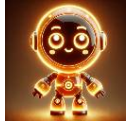
موقع المناهج ← المناهج الإماراتية ← الصف السادس ← علوم ← الفصل الأول ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 19:55:15 2026-09-14

ملفات اكتب للمعلم اكتب 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

المزيد من مادة
علوم:

التواصل الاجتماعي بحسب الصف السادس



الرياضيات



اللغة الانجليزية



اللغة العربية



التربية الاسلامية



المواد على تلغرام

صفحة المناهج
الإماراتية على
فيسبوك

المزيد من الملفات بحسب الصف السادس والمادة علوم في الفصل الأول

اختبار الوحدة الثانية منهك عربي

1

مقرر مادة العلوم 2027

2

دراسة منطقة ساروق الحديد-بريدج

3

ملزمة مفيدة لمنهج انسباير تحتوي على شرح دروس الفصل كامل بالإضافة الى تمارين بعد كل درس

4

ملزمة مهمة

5



وزارة التعليم
MINISTRY OF EDUCATION

اختبار العلوم انسابير الصف السادس الوحدة الأولى الفصل الأول 2026-2027

إحجز مكانك واستعد للامتحان بثقة كاملة

احصل على الشرح الكامل للصف من خلال:

التواصل والحجز عبر الـ Whatsapp
اضغط على الرقم: 0566410429

للتواصل والحجز



للانتقال إلى المواقع
اضغط هنا

شرح الدروس

انضم للقناة



NOLOGIA

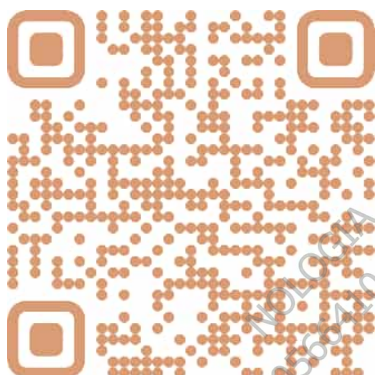
يمكنكم الحصول على

شرح دروس
الفصل كاملاً

بـ 99
درهم فقط

ملزمة محلولة
بالكامل

اختبارات مع الحل



لا تتردد في التواصل
معنا قم بمسح الـ QR

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اختبار الوحدة الأولى

الأسئلة الموضوعية - MCQ



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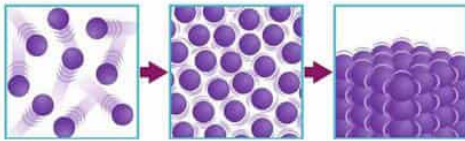
NOLOGIA

Question 1: Some students want to demonstrate thermal expansion. They devise the following method: A large black balloon is taken to a shady area and filled with cool air. The balloon is then taken to a bright, sunny location. After a short time, the balloon begins to expand.

What explanation does this investigation verify?

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| A. As particles gain energy, the material takes up more space. |
| B. A balloon filled with cool air will rise into the atmosphere. |
| C. The air inside the balloon lost energy. |
| D. The sunlight caused the air in the balloon to contract. |

Question 2: Examine the model below. The particles are undergoing a change in energy. Which statement best describes what is taking place in the images?



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| A. The kinetic energy of the particles on the right is the greatest of the three images of particles. |
| B. The particles in the middle have less space between them than the particles on the left, which means they have more kinetic energy. |
| C. The particles in the middle have more kinetic energy than the particles on the right. |
| D. Energy was added to the particles on the left to give them more energy than the particles in the middle. |

Question 3: When does the liquid appear to be one single color?

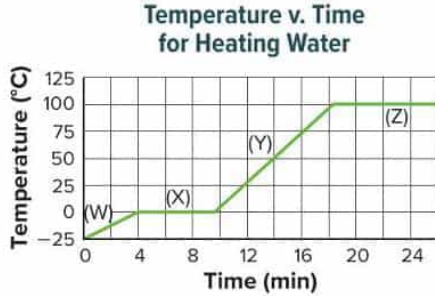
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|---|
| A. When the food coloring is first added |
| B. When the water is completely still |
| C. When the concentration of food coloring is the same throughout the container |
| D. When the particles stop moving |

Question 4: What unit of measurement is named after James Prescott Joule?

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| A. The Watt (W) |
| B. The Joule (J) |
| C. The Newton (N) |
| D. The Pascal (Pa) |

Question 5: The heating curve for water is shown below.

Analyze the heating curve. Which area or areas of the curve show a change in the potential energy of the particles?



A. W

B. W and X

C. Y

D. X and Z

Question 6: A scientist was working with substance Y. Which of the following does not represent an increase in thermal energy?

A. The temperature of the substance rose by 10°C

B. The volume of the substance increased by 10 mL

C. The mass of the substance increased by 10 g

D. The substance changed from a liquid into a solid.

Question 7: What are the two ways that vaporization occurs?

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| A. Boiling and Evaporation |
| B. Melting and Freezing |
| C. Condensation and Deposition |
| D. Heating and Cooling |

Question 8: According to the text, which type of energy increases as the temperature of the material rises?

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| A. Kinetic energy |
| B. Potential energy |
| C. Chemical energy |
| D. Magnetic energy |

Question 9: Velinda wants to verify that thermal energy moves from warmer substances to cooler substances until all the substances attain the same temperature. She writes her experimental plan after forming her hypothesis about what will happen to the temperatures at different locations throughout the system. She develops a materials list and procedure for her investigation. Which lab equipment did Velinda omit from her materials list that will ensure her personal safety as she performs her experiment?

Materials	Procedure	Communication
hot plate	1. Place water and ice in the beaker.	Create a graph with the data. Write a report that includes the hypothesis, whether the hypothesis is supported, and a conclusion statement about thermal energy movement.
500-mL beaker	2. Take the temperature of the water at the bottom of the beaker, the center of the beaker, and the top of the beaker.	
thermometers	3. Start the stopwatch and record the temperature.	
timer	4. Place the beaker with water and ice on the hot plate. Turn the hot plate to medium heat.	
piece of ice	5. Every 2 min, record the time and temperature until the water boils.	
water	6. Continue heating and take two more temperature readings.	

A. balance scale, candle, glass dish

B. goggles, apron, heat-resistant gloves

C. metal tongs, Bunsen burner, spark igniter

D. vent hood, fire safety handbook, eyewash station

Question 10: When particles at different temperatures collide, which particle transfers energy?

- A. The particle with lower kinetic energy transfers energy to the one with higher kinetic energy
- B. Both particles transfer equal amounts of energy to each other
- C. No energy is transferred during the collision
- D. The particle with higher kinetic energy transfers energy to the one with lower kinetic energy

Question 11: Why is radiation the only method of thermal energy transfer possible in space?

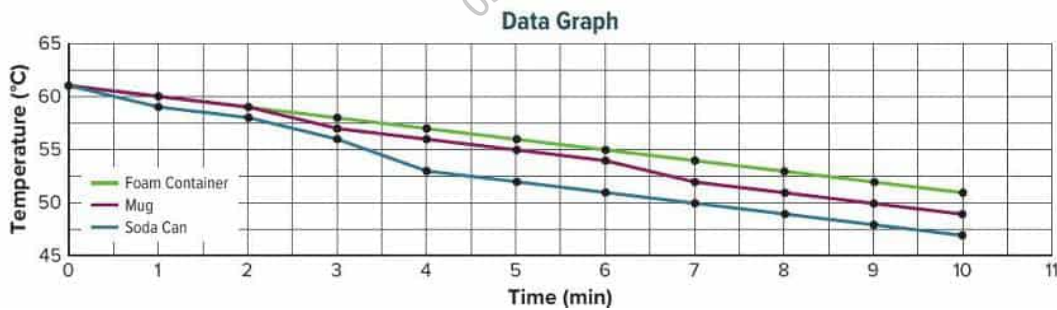
- A. Because space is too hot for conduction
- B. Because the Sun is too far away for waves to travel
- C. Because convection currents are too strong in space
- D. Because space is a vacuum that contains little or no matter

Question 12: In which states of matter does convection occur?

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| A. Solids and liquids only |
| B. Gases and solids only |
| C. Liquids and gases only |
| D. Solids, liquids, and gases |

Question 13: Jake and Sonya perform a laboratory investigation to explore thermal energy transfer between different materials. They place 100 mL of hot tap water in each of these containers: a foam cup, a mug, and an empty soda can. They record the temperature of the water every minute for 10 minutes. Finally, they plot the data on a graph.

Which variable would Jake and Sonya need to keep constant to make sure it doesn't affect how the thermal energy transferred out of the three containers?



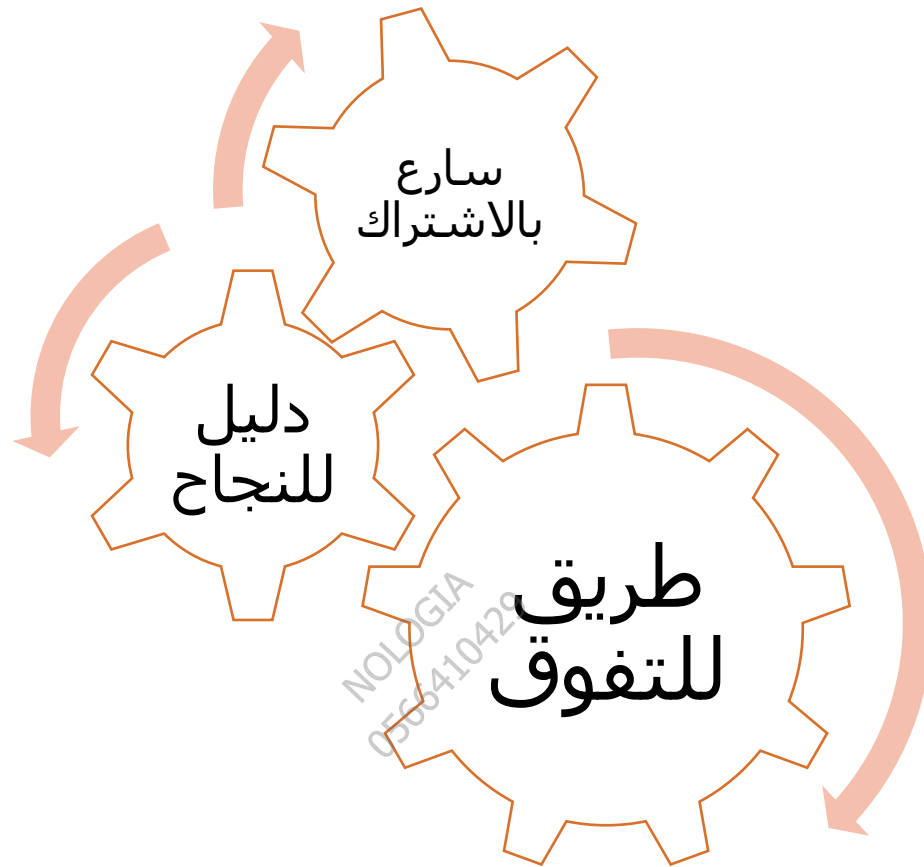
- | |
|---|
| A. All of the above would need to be constants. |
| B. mass of water in each container |
| C. open surface area of each container |
| D. color of each container |

Question 14: According to the text, how does the energy requirement compare between a material with low specific heat and one with high specific heat?

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| A. It takes more energy to change the temperature of a material with low specific heat |
| B. Both require the exact same amount of energy |
| C. It takes less energy to change the temperature of a material with low specific heat |
| D. Materials with high specific heat do not require any energy |

Question 15: How does the specific heat of a thermal conductor compare to that of a thermal insulator?

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| A. Thermal conductors have higher specific heats than thermal insulators |
| B. Both have the exact same specific heat |
| C. Specific heat is not related to conduction |
| D. Thermal conductors have lower specific heats than thermal insulators |



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0566410429

مع أطيب التمنيات بالنجاح والتوفيق ...

... النهاية