ASMOPSS THAILAND 2026

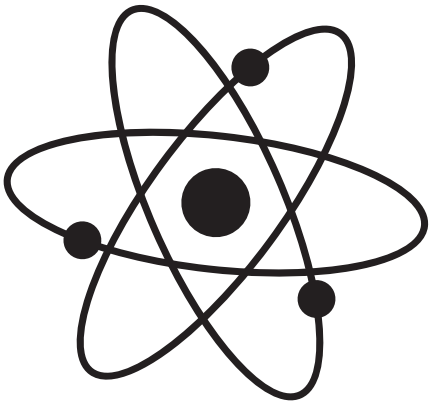
Asian Science & Mathematics Olympiad for Primary and Secondary Schools (Thailand)

Science Secondary G.11

Sunday, August 9, 2026

10:30 a.m. – 12:00 p.m. (90 minutes)

B



Instructions

1. This exam includes 40 questions, with 4 choices given (100 marks).
2. Use a 2B black pencil or darker one to fill in the circle.
3. Fill out your name, grade, school, test center, room, seat number, and identification number either in pen or in pencil.
4. If you want to change an answer that you have already marked, use a clean eraser to erase the incorrect answer and mark the new one.
5. It should be noted that figures in the exam are not drawn to scale.
6. Dictionaries, calculators, and electronic devices are not permitted in the test room.
7. Note taking can be done on the test paper only, with no extra sheet provided.
8. Do not write anything or make any symbols in the black barcode area along the edge of the paper except the answers on the answer sheet. Make sure the answersheet is not crumpled.
9. Submit the answer sheet to the proctor when the time is up.
10. Cheating in the exam may cause serious consequences including disqualification from receiving any award or joining the second round of the test held by ASMOPSS THAILAND.

Should any disagreement arise, the judgment of the panel is deemed final.

Announcement of the results via https://asmopssthailand.com on September 18, 2026

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Instructions :

1. Each question carries a different score, as indicated at the end of the question.
2. Students must select only the one best answer for each question.

1. What is the main difference between plant reproduction by typical tissue culture and plant reproduction by meristem culture? (1.25 marks)

1. Plants produced by meristem culture are clones, whereas typical tissue culture does not produce genetically identical plants.
2. Typical tissue culture requires cells from the root system, whereas any plant cell can be used for meristem culture.
3. Typical tissue culture produces plant clones, whereas meristem culture can generate genetically diverse plants.
4. Typical tissue culture produces virus-free plants, whereas plants derived from meristem culture may not be virus-free.

2. Which of the following correctly describes a major difference between monocot and dicot stems? (1.25 marks)

1. Xylem and phloem are arranged in a ring in dicot stems, whereas phloem is located between the arms of xylem in monocot stems.
2. Xylem and phloem are arranged in a ring in monocot stem, whereas phloem occurs between the arms of xylem in dicot stems.
3. Vascular bundles of xylem and phloem are arranged in a ring in dicot stems, whereas they are scattered throughout the ground tissues in monocot stems.
4. Vascular bundles of xylem and phloem are arranged in a ring in monocot stems, whereas they are scattered throughout the ground tissue in dicot stems.

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3. Which of the following plays the most significant role in the transport of water from the roots to the top of perennial plants? (1.25 marks)

A. Cohesive force
B. Root pressure
C. Transpiration pull
D. Turgor pressure and osmotic pressure
E. Adhesive force

1. A and C
2. B and C
3. A, B, C, and D
4. A, B, C, and E

4. A new species of plant has been discovered and a student was asked to help classify it. Microscopic examination reveals a layer of chloroplast-containing bundle sheath cells surrounding the leaf veins. What can be inferred about this plant based on the information provided? (1.25 marks)

1. This plant is unlike any species that has been discovered before and represents an entirely new category of taxonomy.
2. This plant is highly likely to carry out C4 photosynthesis.
3. This plant belongs to the CAM group.
4. This plant uses both chemosynthesis and photosynthesis, and likely belongs to the C3 plant group.

5. Which of the following events will occur if gibberellins are applied to barley?
(1.25 marks)

1. Lateral meristems will be inhibited, promoting upward growth.
2. The starchy endosperm will be digested and converted into sugars for the developing embryo.
3. The stomata will close to prevent the loss of water from the plant.
4. Plant growth will accelerate through the promotion of cell division.

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6. Vitamin-D resistant rickets is a sex-linked dominant trait that weakens and softens bones, potentially leading to fractures and deformities. Rickets is often due to a deficiency of vitamin D; however, with vitamin D resistant rickets, ingestion of vitamin D is ineffective. Sandy's mother is healthy and unaffected by the condition, but her father has the disease. If Sandy marries a man who does not have the disease, what is the probability that they will have an affected son? (1.25 marks)

1. 0%
2. 25%
3. 50%
4. 75%

7. A population has very little genetic diversity, and no individual possesses a heritable trait that improves survival or reproduction under a newly changed environment. Assume that no beneficial mutation or migration occurs.
What is the most likely outcome for this population through natural selection? (1.25 marks)

1. The entire population will survive because all individuals will gradually acquire suitable inherited traits.
2. Some individuals will develop advantageous traits during their lifetimes and reproduce more successfully.
3. The population will probably decline toward extinction because no advantageous heritable variation is available.
4. Artificial selection will replace natural selection because environmental conditions can no longer affect survival.

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8. A group of students is studying a hypothetical compound with the formula AB_2.
It was found that this compound dissolves well in water and dissociates rigorously into ions. Further investigation provides the following information:

Element A is a metal that tends to lose electrons to achieve a stable electron configuration. When element A becomes an ion, it forms A^{2+} and has the same electron configuration as the noble gas in period 3.

Element B is a nonmetal also located in period 3 and has a high electron affinity. When element B gains one electron, it achieves the same electron configuration as the noble gas in the same period. This substance is an ionic compound, and element B has valence electrons that nearly fill its orbital.
Which of the following represents the electron configuration of element B in its ground state? (1.25 marks)

1. $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^3$
2. $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^4$
3. $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^5$
4. $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6$

9. In a petroleum exploration drilling project, the following rock strata was found: shale, which is the source rock, lies at the very bottom. it is a thick layer of limestone with high porosity, where oil deposit within the rock layer. Further exploration revealed that there are insufficient petroleum reserves to develop into a production well. Which of the following correctly explains why a production well cannot be developed? (1.25 marks)

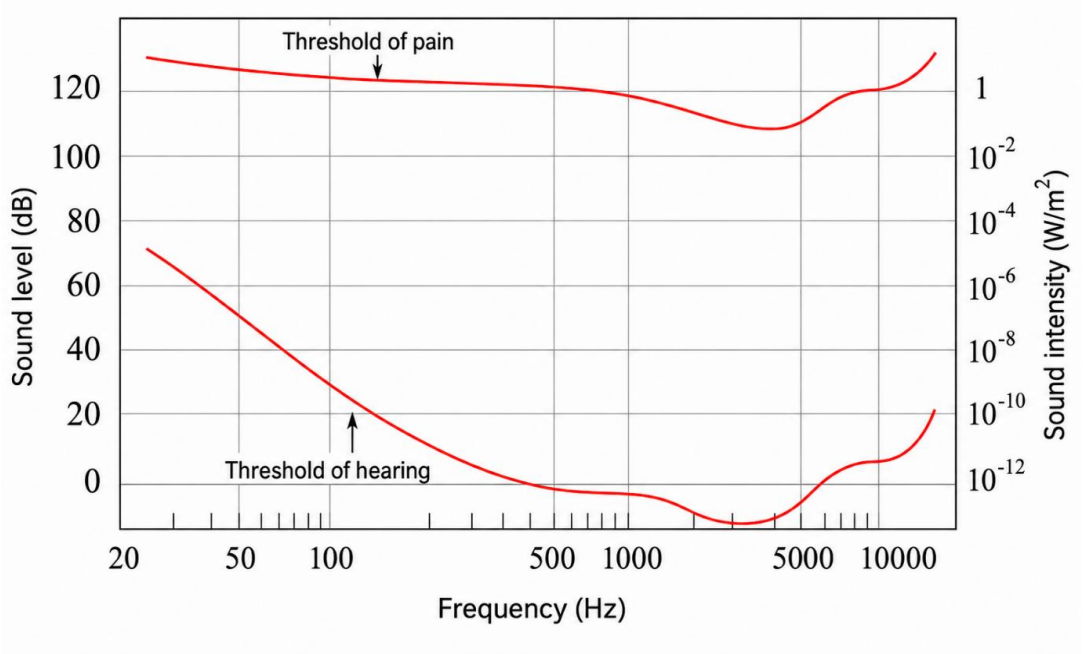
1. The shale source rock has an organic matter content that is too low.
2. The petroleum system lacks a fine-grained, impermeable cap rock, causing petroleum to completely leak away.
3. Limestone is too dense, preventing the oil from flowing and deposit within the limestone layer
4. The temperature in the limestone layer is too low, preventing the petroleum from migrating out of the source rock.

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10. A man throws a 500 g stone from the second floor of a building, starting 4.0 m above the ground. The stone is launched upward with an initial speed of 3.0 m/s at a 60° angle above the horizontal. What is the speed of the stone just before it hits the ground? Assume air resistance is negligible and g = 10 m/s². (1.25 marks)

1. 6.0 m/s
2. 7.8 m/s
3. 8.6 m/s
4. 9.4 m/s

11. The graph below shows the relationship between the sound level humans can hear and the frequency of sound.



According to the graph, the threshold of hearing at 50 Hz is approximately 50 dB. What is the minimum sound intensity required to be heard at this frequency? Assume the standard threshold intensity at 1000 Hz is 1.0×10^{-12} W/m². (1.25 marks)

1. 1.0×10^{-12} W/m²
2. 1.0×10^{-10} W/m²
3. 1.0×10^{-7} W/m²
4. 1.0×10^{-5} W/m²

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12. Consider the following statements:

A. A yellow pigment absorbs blue light and reflects red and green light.

B. L-cone cells alone can distinguish colors of light within the wavelength range of 500–700 nm.

C. Violet light undergoes stronger scattering than red light.

How many of these statements are correct? (1.25 marks)

1. None of the statements is correct.
2. One statement is correct.
3. Two statements are correct.
4. Three statements are correct.

13. A vertical spring with a spring constant of 200 N/m has an unstretched length of 0.50 m, with its lower end anchored to the floor. A 1.0 kg mass is released from rest at a point 1.0 m directly above the top of the uncompressed spring. What is the maximum compression of the spring before it pushes the mass back upward? Assume air resistance is negligible and $g = 10\ m/s^2$. (1.25 marks)

1. 25 cm
2. 31 cm
3. 37 cm
4. 43 cm

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14. In the manufacturing of oxygen gas (O_2) for medical and industrial use, the fractional distillation of liquefied air is commonly used. This process relies on the differences in the boiling points of each gas. After the oxygen gas is separated, it is compressed into cylinders under high pressure to allow a large quantity of gas to be stored within a limited volume container. A researcher is studying the relationship between temperature and pressure of oxygen gas in a fixed-volume cylinder by filling it with a constant amount of gas and measuring the pressure at various temperatures. The results are shown in the table below:

Table: Pressure of O_2 at Different Temperatures (Constant Volume)

Temperature (K)	Pressure (atm)
300	2.0
350	2.3
400	2.7
450	3.0
500	3.3

Consider the following statements:

A. The pressure of a gas is directly proportional to its absolute temperature.

B. When the temperature increases, the average kinetic energy of the gas particles increases.

C. The relationship shown in the table is consistent with the ideal gas law.

D. If the volume of the container is doubled at the same temperature, the pressure will also double.

Which of the following is correct? (1.25 marks)

1. A and C
2. B and D
3. A, B, and C
4. A, B, C, and D

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15. Streptomycin is an antibiotic frequently prescribed by physicians to treat bacterial infections. This antibiotic binds to bacteria's ribosomes, disrupting their function and leading to the patient's recovery. Through which mechanism does this antibiotic destroy bacteria? (2.5 marks)

1. It halts all bacterial chemosynthetic processes.
2. It prevents bacteria from synthesizing structural barriers, such as the cell membrane.
3. It stops bacteria from producing ATP, leading to cell death.
4. It prevents bacteria from producing proteins, ultimately resulting in cell death.

16. Based on the figure below, which of the following statements most accurately describe the conditions observed after 12 hours? (2.5 marks)



1. The solution in the beaker will have a higher concentration than the solution in the test tube.
2. The solutions in the test tube will have a higher concentration than the solution in the beaker.
3. The solutions in both the beaker and the test tube will have equal concentrations.
4. The solution in the beaker will have a lower concentration than the solution in the test tube.

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17. Consider the following molecules:

SF_4 XeF_2 BrF_3

A. All three molecules have a trigonal bipyramidal electron domain geometry.

B. All three molecules have the same molecular geometry.

C. XeF_2 has a linear shape.

D. BrF_3 has no lone pairs on the central atom.

Which of the following statements is correct? (2.5 marks)

1. A and B
2. A and C
3. B and C
4. C and D

18. Consider the following statements regarding the properties of elements in the periodic table:

A. For elements in the same period from left to right, the atomic radius tends to decrease because the nuclear attraction on the electrons decreases.

B. For elements in the same group the ionization, energy decreases because of the increasing energy levels and the increasing distance between the nucleus and the electrons.

C. Elements with strong metallic properties tend to lose electrons easily and have low ionization energy.

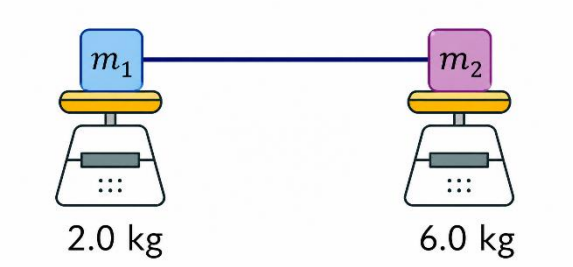
D. For elements in the same group from top to bottom, the electronegativity increases because the number of energy levels increases.

Which of the following is correct? (2.5 marks)

1. 2 statements are incorrect, 1 is correct
2. 2 statements are correct, 1 is incorrect
3. 3 statements are correct
4. 2 statements are incorrect

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19. Masses m_1 and m_2 are attached to the opposite ends of a uniform steel beam, which has a mass of 1.0 kg and a length of 1.0 m, as shown in the figure.



If the left scale reads 2.0 kg and the right scale reads 6.0 kg, what is the mass of m_1?
(2.5 marks)

1. 1.0 kg
2. 1.5 kg
3. 2.0 kg
4. 2.5 kg

20. Baking powder is a substance used in baking, such as in cakes and pancakes. When heated, it undergoes a reaction that releases carbon dioxide gas (CO_2), causing the batter to rise. The simplified equation can be written as follows:

$$NaHCO_3 \longrightarrow CO_2 + H_2O + \text{other substances}$$

A student uses baking powder containing 0.84 g of sodium bicarbonate ($NaHCO_3$), assuming the reaction goes to completion.

Given: Molar mass of $NaHCO_3$ = 84 g/mol, and 1 mol of gas at STP occupies a volume of 22.4 L

What is the volume of CO_2 produced at STP? (2.5 marks)

1. 112 ml
2. 224 ml
3. 336 ml
4. 448 ml

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21. In the analysis of monosaccharide composition in pectin using the HPLC technique, an isocratic elution is employed as the mobile phase, consisting of a 0.1 M $NaNO_2$ solution containing 0.01% (w/w) NaN_3. A student needs to prepare 500 ml of the mobile phase using $NaNO_2$, NaN_3, and distilled water.

Consider the following statements:

A. 3.45 g of $NaNO_2$ is required.

B. Approximately 0.05 g of NaN_3 is required.

C. The solution should be prepared by weighing $NaNO_2$ and NaN_3, then adding water until the final volume reaches 500 ml.

D. The concentration of NaN_3 can be calculated in mol/L, similar to $NaNO_2$.

Which of the following statements are correct? (2.5 marks)

1. A and C
2. B and D
3. A, B, and C
4. A, B, C, and D

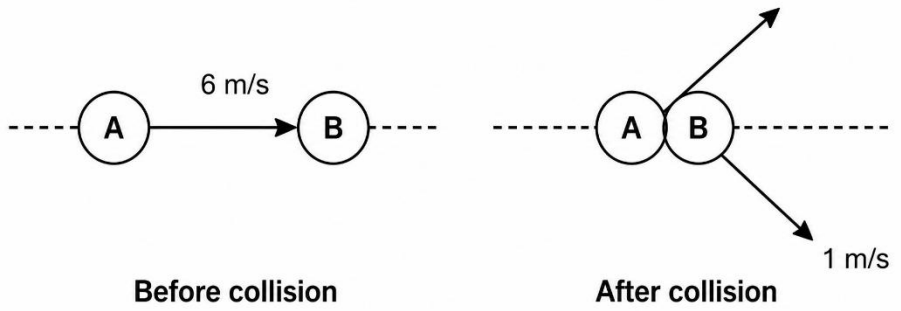
22. A water rocket is launched from the ground, accelerating constantly at 20.0 m/s² at an angle of 37° above the horizon. After 1.0 s, its water fuel runs out, and the rocket continues moving through the air without any further thrust. How long does the rocket stay in the air before it hits the ground? (2.5 marks)

Assume air resistance is negligible, g = 10 m/s², sin 37° = 0.6, and cos 37° = 0.8.

1. 2.8 s
2. 3.3 s
3. 3.8 s
4. 4.3 s

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23. Two identical-sized spheres, A and B, sit on a frictionless horizontal surface, though sphere B has four times the mass of sphere A. Sphere A moves in the +x-direction at 6.0 m/s, collides obliquely with a stationary sphere B. After the collision, the two spheres move apart, and sphere B moves away with a speed of 1.0 m/s, as shown in the figure.

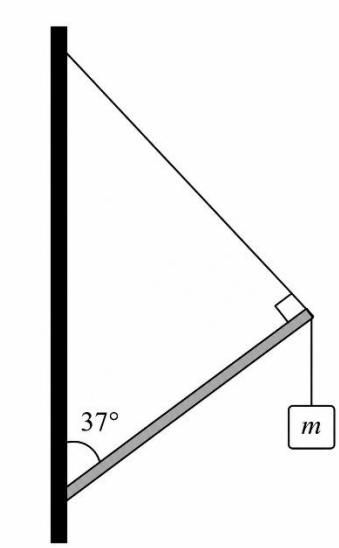


Assuming the collision is perfectly elastic with no rotational effects, what is the angle at which sphere B is moving away from the original direction as measured from the +x axis? (2.5 marks)

1. $\arccos \frac{3}{5}$
2. $\arccos \frac{3}{7}$
3. $\arccos \frac{5}{12}$
4. $\arccos \frac{5}{13}$

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24. A uniform 5.0 kg beam, AB, is 5.0 m long and is hinged to a vertical wall at end A. A 5.0 kg box hung from end B, which is also secured by a cable to maintain static equilibrium, as shown in the figure.

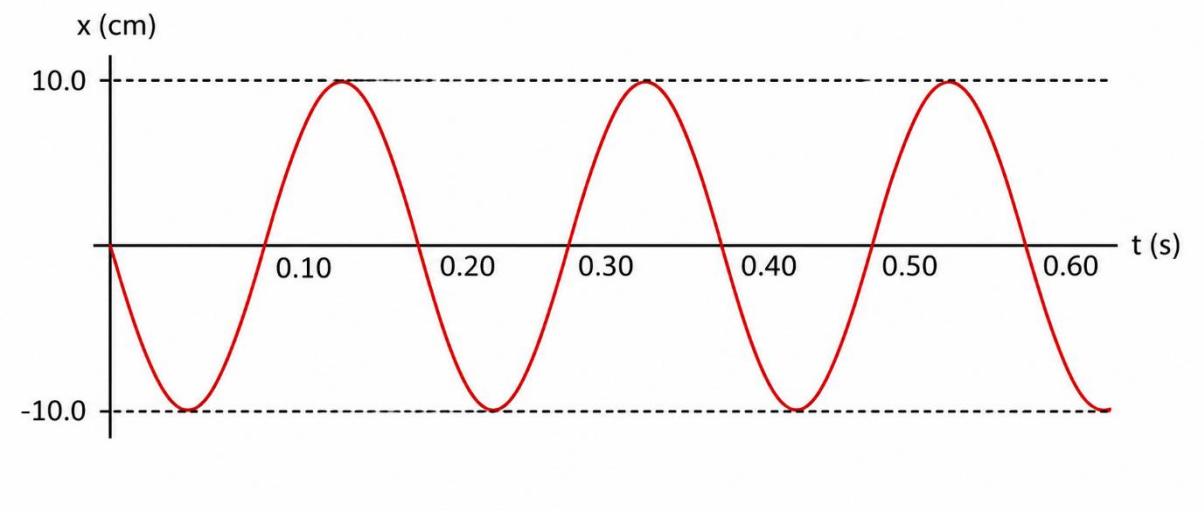


Find the magnitude of the force exerted by the wall on the beam at end A.
Assume that g = 10 m/s^2, sin 53° = 0.8, cos 53° = 0.6, sin 37° = 0.6, and cos 37° = 0.8.
(2.5 marks)

1. 60 N
2. 70 N
3. 80 N
4. 90 N

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25. An object moves with simple harmonic motion. The relationship between its displacement (x) and time (t) is shown in the graph.



What is the displacement of the object when its acceleration is -5.0π^2 m/s^2? (2.5 marks)

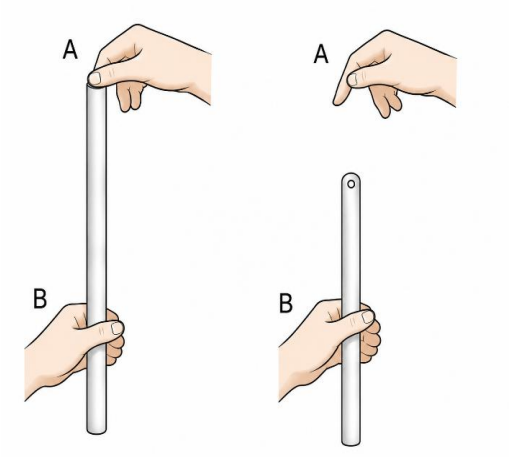
1. 2.5 cm
2. -2.5 cm
3. 5.0 cm
4. -5.0 cm

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26. A 6-slot stroboscope is used to measure the vibration frequency of a mass on a vertical spring. The observer notes that the mass appears completely stationary when the stroboscope rotates at 240 revolutions per minute. If the mass is increased to four times its original value, at what rotational speed must the stroboscope spin for the mass to appear stationary again? (2.5 marks)

1. 60 rpm
2. 120 rpm
3. 480 rpm
4. 960 rpm

27. In a simple reaction-time test, Student A holds a ruler vertically above student B's hand. Student B positions the thumb and index finger at the 0.0 cm mark. As soon as Student A lets go of the ruler, student B must catch it. The distance the ruler falls is then used to calculate the reaction time, as shown in the figure.

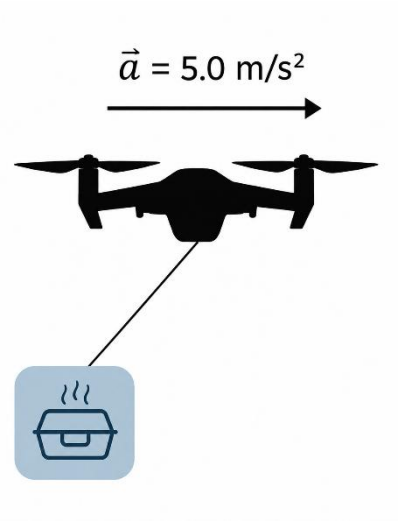


What is the approximate reaction time if Student B catches the ruler at the 20.0 cm mark? Assume that the acceleration due to gravity is 10 m/s² and that air resistance is negligible. (5 marks)

1. 160 ms
2. 200 ms
3. 240 ms
4. 280 ms

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28. During a rescue mission to help hikers lost in a forest, a 50.0 kg rescue drone is deployed to deliver food supplies. The drone flies at a constant altitude above the treetops, towing a 100.0 kg food box suspended by a rope. Both the drone and the box accelerate horizontally at 5.0 m/s², as shown in the figure.



Neglecting air resistance, what is the tension in the rope pulling the food supply box? Assume that g = 10 m/s^2 and $\sqrt{5} \approx 2.236$. (5 marks)

1. 0.4 kN
2. 1.1 kN
3. 1.8 kN
4. 2.5 kN

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29. In an experiment studying the diffraction and interference of light, a diffraction grating with 300 lines per millimeter is positioned 50 cm away from the screen. The experimenter tests two different wavelength ranges, as shown in the table.

Experiment set	Wavelength range of light used (nm)
A	450–600
B	400–620

If the first-, second-, and third-order bright spectra must appear separately on the screen without overlapping, which experimental setup satisfies this condition? (5 marks)

1. Experiment setup A
2. Experiment setup B
3. Both experiment setups 1 and 2
4. Neither experiment setup

30. A physics teacher has a near point of 120.0 cm when looking at objects with the naked eye. He wants to grade exam papers while wearing contact lenses that have a focal length of 40.0 cm. What is the closest distance he can hold the papers from his eyes and still see the text clearly? (5 marks)

1. 20.0 cm
2. 25.0 cm
3. 30.0 cm
4. 35.0 cm

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31. Effervescent tablets for cleaning retainers are widely used nowadays. When placed in water, a reaction occurs between an organic acid and sodium bicarbonate ($NaHCO_3$), producing carbon dioxide gas (CO_2), which helps remove stains from the retainer surface. The chemical equation for the reaction is as follows:

$$3\ NaHCO_3 + C_6H_8O_7 \longrightarrow Na_3C_6H_5O_7 + 3\ CO_2 + 3\ H_2O$$

One effervescent tablet contains 0.84 g of $NaHCO_3$ and reacts with 0.50 g of citric acid ($C_6H_8O_7$). The CO_2 gas produced is completely collected at STP.

Given: Molar mass of $NaHCO_3$ = 84 g/mol, $C_6H_8O_7$ = 192 g/mol

Consider the following statements:

1. The number of moles of $NaHCO_3$ is equal to 0.010 mol.
2. The number of moles of $C_6H_8O_7$ is approximately 0.0026 mol.
3. $NaHCO_3$ is the limiting reagent.
4. The volume of CO_2 produced is 180 ml.

Which option is correct? (1.25 marks)

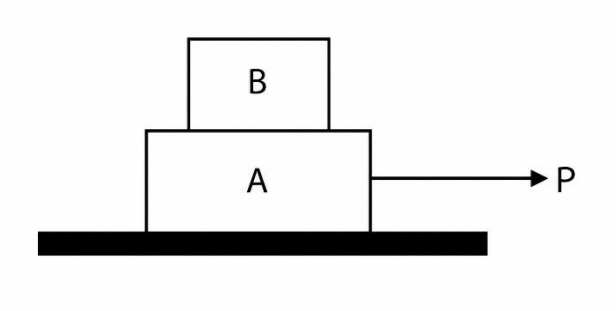
1. There are 2 correct statements
2. There are 2 incorrect statements
3. There are 3 incorrect statements
4. All statements are incorrect

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32. Which of the following consists entirely of molecules with a non-linear geometry?" (1.25 marks)

1. NH_3, H_2O, SO_2
2. CO_2, $BeCl_2$, CS_2
3. CH_4, CO_2, BF_3
4. $BeCl_2$, CH_4, CO_2

33. Block A, with a mass of 8.0 kg, rests on a frictionless floor, and block B, with a mass 4.0 kg, sits directly on top of it. The coefficients of static and kinetic friction between two blocks are 0.75 and 0.50, respectively. A horizontal force P is applied to pull the block A, as shown in the diagram below.



Determine the maximum horizontal force P so that blocks A and B move together. (Assume g = 10 m/s^2) (2.5 marks)

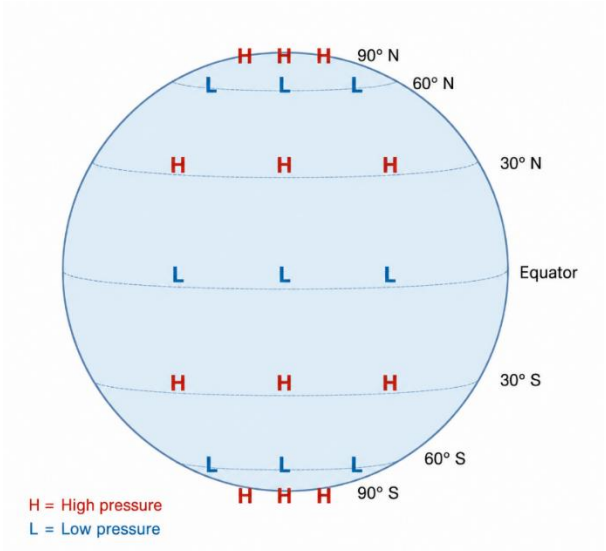
1. 60 N
2. 70 N
3. 80 N
4. 90 N

34. Which of the following statements most accurately describes the growth and development of flowering plants? (2.5 marks)

1. All plants that undergo secondary growth are capable of producing wood.
2. Secondary growth occurs in plant organs only after primary growth in those organs has completely ceased.
3. Secondary growth results from cell division within the cambium.
4. All plants undergo secondary growth, although it may not be clearly visible in some species.

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35. Consider the image showing areas of high pressure (H) and low pressure (L) at the following latitudes:



Which of the following correctly describes the climate at various latitudes? (2.5 marks)

1. At the equator, air sinks, resulting in heavy cloud cover and abundant rainfall.
2. At 90 degrees latitude, air rises and the temperature is freezing cold.
3. At 30 degrees latitude, air sinks, resulting in an arid to desert climate.
4. At 60 degree latitude, air rises, resulting in an arid to desert climate.

36. In industrial hydrogen (H_2) production, hydrogen gas can be generated by reacting a metal with an acid, such as the reaction between magnesium and hydrochloric acid.

$$Mg + 2HCl \longrightarrow MgCl_2 + H_2\,(g)$$

A researcher reacts 2.4 g of Mg with an excess amount of HCl solution. The hydrogen gas produced is collected in a container at a temperature of 300 K and a pressure of 1.0 atm.

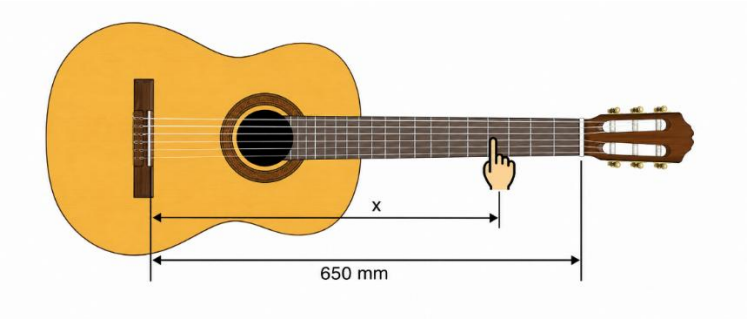
Given: Molar mass of Mg = 24 g/mol, R = 0.082 $L \cdot atm \cdot mol^{-1} \cdot K^{-1}$

What is the volume of H_2 gas produced? (2.5 marks)

1. 0.82 L
2. 1.23 L
3. 2.46 L
4. 4.92 L

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37. The fifth string of a classical guitar is 650 mm long, has a mass of 2.50 g, and is tuned to produce an A_2 note (110 Hz) when vibrating in its fundamental mode. At what distance x from the bridge must a guitarist fret the string to play a B_3 note (245 Hz), assuming the string still vibrates in its fundamental mode? (5 marks)



1. 292 mm
2. 325 mm
3. 354 mm
4. 372 mm

38. Consider the data regarding two ocean currents flowing along the continental coasts:

Ocean Current X flows parallel to the continental coast from lower latitudes to higher latitudes. The water temperature in this current is higher than the surrounding water.

Ocean Current Y flows parallel to the continental coast from higher latitudes to lower latitudes. The water temperature in this current is lower than the surrounding water.

If cities adjacent to Ocean Currents X and Y are located at the same latitude, which of the following accurately reports the weather conditions for both cities? (5 marks)

1. Both cities will have similar weather conditions because they are located at the same latitude.
2. The city located along Ocean Current Y will experience more tropical cyclones than the city located along Ocean Current X.
3. The city where Ocean Current X flows through will receive higher rainfall and humidity than the City where Ocean Current Y flows through.
4. The city where Ocean Current X flows through will have a lower average air temperature and be drier than the city where Ocean Current Y flows through.

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39. Currently, there is a growing trend toward developing environmentally friendly (eco-friendly) cleaning products. A company has developed a biodegradable powdered cleaning product that reduces the use of chemicals harmful to aquatic ecosystems.

This product contains peroxide compounds, which decompose upon contact with water to produce oxygen gas (O_2), as shown in the simplified reaction:

$$2\ H_2O_2 \longrightarrow 2\ H_2O + O_2\,(g)$$

The oxygen gas produced helps oxidize and effectively remove organic stains from surfaces. To enhance the product's performance, researchers conducted experiments by varying several factors, including:

Particle size of the powder (finely ground / not ground)

Water temperature

Addition of a catalyst

The volume of oxygen gas produced (in milliliters) was measured at different time intervals, and the results are shown in the table below.

Table: Volume of O_2 Produced Over Time

Time (s)	No catalyst (25°C)	With catalyst (25°C)	With catalyst (40°C)
0	0	0	0
20	8	20	35
40	15	35	55
60	20	45	65
80	24	50	70
100	25	52	72

Consider the following statements:

A. The initial rate of reaction of the system with a catalyst at 40 °C is the highest.

B. Adding a catalyst increases the final volume of O_2 produced.

C. An increase in the temperature results in an increase in the rate of reaction.

D. The reaction under all conditions produces the same final amount of O_2.

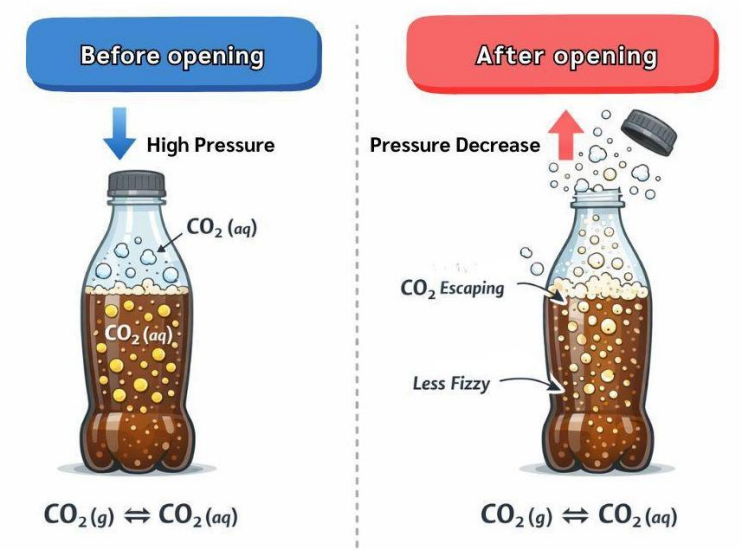
Which of the following is correct? (5 marks)

1. A and C
2. A and B
3. B and D
4. A, C, and D

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40. Carbonated beverages are widely popular products today. Manufacturers dissolve carbon dioxide gas (CO_2) into the beverage under high pressure to create carbonation and a distinctive mouth feel.

Inside a bottle or can, the beverage exists in a state of equilibrium between CO_2 gas and CO_2 dissolved in the liquid, as illustrated in the figure shown.



Under high-pressure conditions, CO_2 can dissolve in the liquid to a greater extent. When the consumer opens the bottle, the pressure above the liquid decreases rapidly. As a result, the dissolved CO_2 changes phase into gas and forms many bubbles, giving the beverage its initial fizziness, which gradually decreases over time.

The solubility of a gas in a liquid can be further explained by Henry's law, which describes the relationship between the concentration of the dissolved gas (C) and the gas pressure (P), as shown in the equation, where *k* is a constant that depends on the type of gas and temperature.

$$C = k * P$$

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Consider the following statements:

A. When the bottle is opened, the pressure decreases, causing the concentration of dissolved CO_2 in the liquid to decrease.

B. The release of CO_2 from the solution is due to a shift in equilibrium of the system.

C. The value of k in the equation changes when the pressure decreases.

D. Increasing the pressure above the liquid increases the solubility of CO_2 in the liquid.

Which of the following is correct? (5 marks)

1. A, B, and D
2. A B and C
3. A, B, C, and D
4. None of the statements is correct

---------- End of Questions ----------

Please check your answers before submitting the answer sheet.

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Answers Keys : Science Secondary - Grade 11

No.	Answers	No.	Answers
1.	1	21.	1
2.	3	22.	3
3.	1	23.	3
4.	2	24.	3
5.	2	25.	3
6.	3	26.	2
7.	3	27.	2
8.	3	28.	2
9.	2	29.	1
10.	4	30.	3
11.	3	31.	2
12.	3	32.	1
13.	3	33.	4
14.	3	34.	3
15.	4	35.	3
16.	2	36.	3
17.	2	37.	1
18.	4	38.	3
19.	2	39.	4
20.	2	40.	1

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