

ตารางสอบห้องเรียนพิเศษ ระดับชั้นมัธยมศึกษาปีที่ 4
ห้องเรียนพิเศษที่จัดการเรียนการสอนตามหลักสูตรกระทรวงศึกษาธิการ
เป็นภาษาอังกฤษ (English Program: EP)

สอบวันที่ 16 มีนาคม พ.ศ. 2568

วิชา	รูปแบบข้อสอบ	จำนวน ข้อ	จำนวนเวลา (นาที)	ช่วงเวลา
คณิตศาสตร์	- เลือกตอบ 4 ตัวเลือก	20	60	09.00 – 10.00 น.
	- เลือกตอบ 4 ตัวเลือก	5		
	- เขียนวิธีการคิดข้อที่เลือก			
	รวม	25		
วิทยาศาสตร์	- เลือกตอบ 4 ตัวเลือก	30	60	10.00 – 11.00 น.
	- เติมคำตอบ	10		
	รวม	40		
ภาษาอังกฤษ	- เลือกตอบ 4 ตัวเลือก	40	60	11.00 – 12.00 น.
	- เติมคำตอบ	10		
	รวม	50		

หมายเหตุ - ข้อสอบวิชาคณิตศาสตร์และวิทยาศาสตร์เป็นภาษาอังกฤษ
- นักเรียน EP ม.4 สอบวัดทักษะทางการฟังและการเขียนภาษาอังกฤษ
เวลา 13.00 – 15.00 น. ห้อง Grand Gala Rose อาคารสิรินธร 2 ชั้น 4

ตัวอย่างข้อสอบวิชาภาษาอังกฤษ ม.4

Part 1: Vocabulary

Direction: Choose the best answer. (Items 1-7)

1. The new employee displayed remarkable _____ in learning the company's procedures.
1. hesitance
2. competence
3. negligence
4. confusion
2. The storm caused _____ damage to several houses in the neighborhood.
1. trivial
2. insignificant
3. negligible
4. considerable
3. The teacher praised Maria for her _____ approach to solving complex problems.
1. diligent
2. careless
3. superficial
4. haphazard
4. Lucy and Lauren had such a terrific _____ that they always seemed to know, without being told, what the other felt.
1. rapport
2. report
3. symmetry
4. altercation
5. Due to _____ road conditions and the slope of the winding motorway, the car _____ down the steep mountainous road.
1. drought - ventilated
2. dynamic - dissented
3. slippery - careened
4. rough - slide
6. The old lady was _____; she refused to leave her home, even when she was warned of rising floodwaters.
1. redundant
2. repatriated
3. recalcitrant
4. retaliation

7. Although doctors do not know exactly how migraines _____, they think that platelets, disk-like particles in the blood that assist clotting, may be involved.
- | | |
|--------------|--------------|
| 1. ornate | 2. evoke |
| 3. germinate | 4. originate |

Direction: Choose the best meaning for the underlined word. (Items 8-10)

8. The shoppers were incensed when the store ran out of the sale item
- | | |
|-------------|-------------|
| 1. enraged | 2. encored |
| 3. enrolled | 4. Enriched |
9. Some contagious diseases are transmitted only by direct contact.
- | | |
|-----------------|--------------|
| 1. took away | 2. passed on |
| 3. changed into | 4. sent to |
10. Tony has already apologized to Jane for negative comments on her friends. He had no intention of offending her.
- | | |
|--------------|---------------|
| 1. offering | 2. committing |
| 3. insulting | 4. satisfying |

Part 2: Conversation

Direction: Choose the most appropriate answer for each dialogue. (Items 11-20)

11. Alice: I'm thinking about changing my job.
Odin: Really? _____
Alice: I feel like I need a new challenge.
- | |
|--|
| 1. What do you do for work? |
| 2. Why are you considering that? |
| 3. How long have you been working there? |
| 4. Can I have your job? |

12. Penny: When did you last see David?

George: 18 years ago.

Penny: _____

George: I don't think so; he was only 2 years old then.

1. Are you sure?
2. You must have seen him often since.
3. He must have changed a lot since then.
4. Do you think you'll still recognize him?

13. Flora: You're awfully behind with the work, aren't you?

Daisy: I know. _____

1. I shouldn't have gone to the cinema last night.
2. I always listen to my colleagues as ever.
3. I shouldn't have kept myself too busy.
4. I'm not a good time keeper.

14. Harvey: What do you think should be done with the funds?

1. There's no explanation yet.
2. It has been set for the family budget.
3. They should be set aside for emergencies.
4. You should carefully examine the fundamentals.

15. Emily: The pocket money for the trip is badly inadequate.

Camille: _____ No one can live on 8,000 baht a month!

1. I am broke.
2. I can spend less money.
3. I must save my money.
4. I couldn't agree more.

16. Ashley: She's upset because of what you said, isn't she?

Lily: _____

1. That should work.
2. That's your fault.
3. That really brought him home.
4. That has nothing to do with it.

17. Situation: At the sport tournament

Ethan: What's the matter? Why don't you keep going?

Henry: I sprained my ankle. I can barely move, I have to _____

1. throw in the towel.
2. get foot in the door.
3. make up my mind.
4. go the distance.

18. Thomas: What do you think about the film "The Princess Diaries"?

James: _____

Thomas: What did you like about it?

James: I loved the storyline. I have always loved childhood tales about ugly ducklings that turn into swans.

1. The film was very predictable and it doesn't appeal to me at all.
2. I think it's geared more towards children so I regret watching it.
3. I was certainly not disappointed and I'm glad I saw it.
4. I haven't seen it yet. Would you recommend it?

19. Your brother didn't get a scholarship to study in the university. You try to cheer him up.
What would you say?

1. Strike while the iron's hot.
2. My fingers crossed for you.
3. Every cloud has a silver lining.
4. You can't teach an old dog new tricks.

20. The delivery man has just delivered your food order. You intentionally overpay him.

What would you say afterwards?

1. Get it back right now.
2. Keep the change.
3. That's your reward.
4. Enjoy your overpayment

Part 3: Grammar

Direction: Choose the best answer. (Items 21-30)

21. Thomas didn't realize he had forgotten his passport until he reached the airport, _____ was very annoying.

- | | |
|----------|----------|
| 1. that | 2. what |
| 3. where | 4. which |

22. _____ for your help, I would never have done it successfully.

- | | |
|--------------------|------------------------------|
| 1. Had it not been | 2. Unless |
| 3. Without | 4. If it would not have been |

23. Studies indicate _____ collecting art today than ever before.

- | | |
|-------------------------------|--------------------------|
| 1. there are that many people | 2. more people that are |
| 3. that there are more people | 4. people there are more |

24. Two solutions for controlling the seagull population are _____ the birds or to limit their food supply.

- | | |
|------------|-----------------|
| 1. kill | 2. to kill |
| 3. killing | 4. to be killed |

25. I now wish I _____ all of that money and saved some for future.

- | | |
|------------------|-----------------|
| 1. didn't spend | 2. hadn't spent |
| 3. haven't spent | 4. won't spend |

26. By the end of the day, the exchange student from Australia _____ to our school.
1. will arrive
 2. is arriving
 3. will be arriving
 4. will have arrived
27. The weather won't improve if we sit here and look out the window, _____?
1. will it
 2. will we
 3. don't we
 4. doesn't it
28. They _____ while they were on holiday.
1. were burgled their house
 2. got burgled their house
 3. had burgled their house
 4. had their house burgled
29. By the time the research papers _____ (submit), they _____ (review) by several experts in the field.
1. are submitted / have been reviewed
 2. were submitted / had been reviewed
 3. had been submitted / were reviewed
 4. have been submitted / will be reviewed
30. The committee was divided on _____ the proposal _____ approved before the end of the month.
1. whether / should be
 2. if / must be
 3. what / could have been
 4. that / would have been

Part 4: Reading

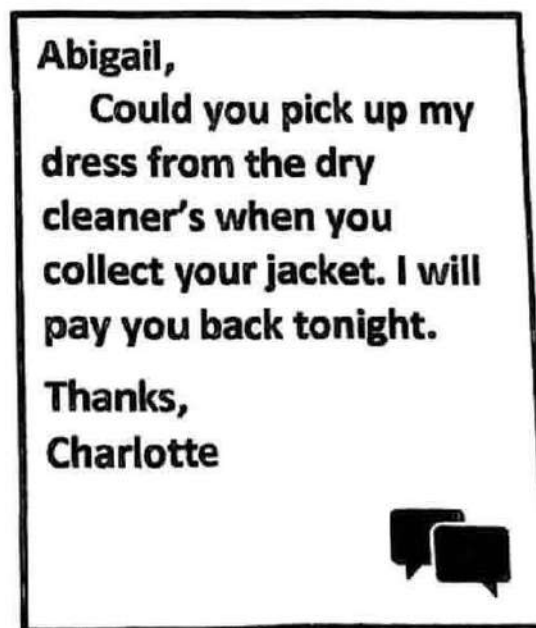
Direction: Read the following notice, message, recipe and passages and choose the best answer.

(Items 31-40)



31. What does this notice mean?

1. The hire charge covers all the costs including fuel and insurance.
2. The hire charge covers all the cost apart from fuel.
3. The hire charge covers all the costs except insurance.
4. The hire charge covers only fuel.



32. What will Charlotte's friend do?

1. Deliver her own clothes to the dry cleaner's.
2. Fetch Charlotte's jacket from the dry cleaner's for her.
3. Receive money for the dry cleaning from Charlotte tonight.
4. Collect Abigail's dress from the dry cleaner's along with her own jacket.

INGREDIENTS:

Graham crackers	2 ½	cups
Philadelphia Cream Cheese	1	cup
Condensed milk	2	tablespoons
Carbonated milk	2	tablespoons
Lemon	1-3	teaspoons
Butter	½	cup
Blueberry Fruit filling	1	can

INSTRUCTIONS:

Crush the Graham crackers in semi-smooth crumble. Mix well with butter and pour into a pie plate. Using a spatula, press the Graham mixture in the shape of the pie plate. Chill in fridge for five minutes.

Beat the cream cheese together with condensed milk, carbonated milk, and lemon. Spread evenly over the Graham mix and chill for another five minutes before topping with the blueberry fruit filling. Serve immediately.

33. What three ingredients are to be mixed together?

1. Graham crackers, carbonated milk, lemon
2. Philadelphia cream cheese, lemon, condensed milk
3. Blueberry filling, Graham crackers, lemon
4. Condensed milk, carbonated milk, blueberry filling

34. What does the word "chill" mean?

- | | |
|--------------|---------------|
| 1. keep warm | 2. keep fresh |
| 3. keep dry | 4. keep cool |

Passage 1

A violent clash erupted in Bangkok early morning on Sukhumvit Soi 11 between Thai and Filipino ladyboys. The fight stemmed from an earlier assault on a Thai ladyboy by Filipinos, sparking outrage and a large Thai gathering demanding justice. Despite police presence, tensions escalated into bottle-throwing and physical attacks on the Filipino group. Police ultimately intervened, arresting both sides, with the exact number injured and detained yet unknown.

35. From this passage, we can conclude that _____.
- (1. both sides were charged with quarrels
 2. thai ladyboys are a group of people who like violence
 3. the police attempted to save a Filipino ladyboy from being attacked
 4. both ladyboys were set free because the Thai ladyboys refrained from attacking the Filipino ladyboy
36. The word "gathering" line 3 means _____.
- | | |
|---------------|-----------------|
| 1. fighting | 2. meeting |
| 3. quarreling | 4. compromising |

Passage 2

Cultural Proverbs

Many of us grow up hearing sayings repeated over and over. These pieces of wisdom are passed down from one generation to the next in proverbs. Proverbs often use metaphors that apply to many situations, some of which are not literal. Variants of the same ideas appear in many cultures, using different metaphors. Benjamin Franklin collected American proverbs in his book *Poor Richard's Almanack*. Here are some proverbs from two other cultures. How are they like sayings you have heard?

Italian Proverbs

- Don't say four if you don't have them in the sack.
- To each bird, his nest is beautiful.
- You can catch more flies with honey than with a barrel of vinegar.
- Fine words don't feed cats.
- Since the house is on fire, let us warm ourselves.
- Like father, like son.

Irish Proverbs

- A trout in the pot is better than a salmon in the sea.
- To the raven, her own chick is white.
- Soft words butter no parsnips, but they won't harden the heart of the cabbage, either.
- Mere words do not feed the friars.
- When the sky falls, we'll all catch larks.
- As the hound is, so will the pup be.

37. Which best represents another way to express the proverb "To each bird, his nest is beautiful?"
1. A watched pot never boils.
 2. Many hands make light work.
 3. Beauty is in the eye of the beholder.
 4. Absence makes the heart grow fonder.

38. What is the meaning of the proverb "When the sky falls, we'll all catch larks"?

1. There's a positive side to everything.
2. Disaster is just around the corner.
3. Bad things happen to everyone.
4. Beware of falling birds.

39. The proverbs are arranged to _____

1. appear in order of length.
2. show which proverbs are the oldest.
3. compare Italian people to Irish people.
4. show similar proverbs from different cultures.

40. What is the main purpose of the passage?

1. to explain how proverbs are collected.
2. to persuade people to read proverbs.
3. to inform people about wise sayings.
4. to entertain with humor.

ตัวอย่างข้อสอบวิชาคณิตศาสตร์ ม.4 (ห้องเรียน EP)

1. Find the value of the expression $\frac{27^{n+1} \times 81^{1-n}}{243^{1-n}}$

1. 9×81^n

2. 27×81^n

3. 3×81^n

4. 81×9^n

2. Evaluate of the expression $\frac{m}{n}$, if $m = 2\sqrt{3}(2\sqrt{3} - \sqrt{75})$ and $n = \frac{1}{3}\sqrt{48} + 2\sqrt{\frac{1}{3}} - \sqrt{27}$

1. $6\sqrt{3}$

2. $18\sqrt{3}$

3. $\frac{\sqrt{3}}{3}$

4. $\frac{2\sqrt{3}}{3}$

3. Three expressions are shown below:

a. $2 < \frac{a}{b} < 100$

b. $\frac{1}{10} < \frac{b^2}{a} < \frac{1}{4}$

c. $11 < a + b^2 < 125$

which one of the following is TRUE, If $10 < a < 100$ and $1 < b < 5$

1. only

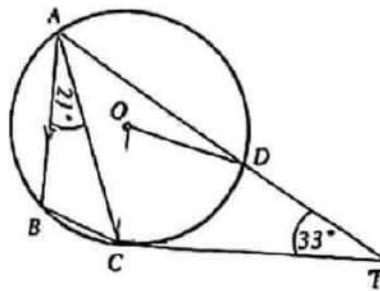
2. a, and c. only

3. b and c. only

4. all correct.

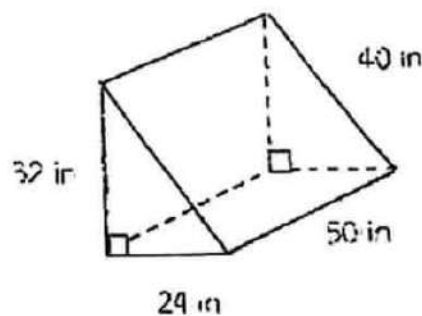
4. Evaluate of the expression $(x^2 - xy + y^2)(x^2 - y^2)$, if $x = \sqrt{3} + \sqrt{2}$ and $y =$
1. $5\sqrt{2}$
 2. $7\sqrt{3}$
 3. $18\sqrt{6}$
 4. $36\sqrt{6}$
5. Find the number of integers x in the inequality $3\left(\frac{x-1}{2}\right) + \frac{1}{3}(2x-5) \leq \frac{5x+1}{6}$ if $x \geq 0$
1. 1 number
 2. 2 number
 3. 3 number
 4. 4 number
6. The manager of a movie theater found Saturday's sales were \$3,675. He knows that a total of 650 tickets were sold Saturday. Adult tickets cost \$7.50 and children's tickets cost \$4.50.
- How many of each kind of ticket were sold?
1. 250 adult tickets and 400 child tickets
 2. 200 adult tickets and 450 child tickets
 3. 400 adult tickets and 250 child tickets
 4. 300 adult tickets and 400 child tickets
7. Which line that the point of intersection of two lines $6x + 7y = 51$ and $5x + 9y = 52$ passes through.
1. $3x + 2y - 21 = 0$
 2. $2x + 3y - 21 = 0$
 3. $2x + 3y + 21 = 0$
 4. $3x + 2y + 21 = 0$

8. In $\odot O$, $AB \parallel OC$, CT is a tangent, $\angle BAC = 21^\circ$ and $\angle CTD = 33^\circ$. Find the angle x .



1. 10 degrees
2. 15 degrees
3. 20 degrees
4. 21 degrees

9. What is the volume of the triangular prism below?



1. $38,400 \text{ in}^3$
2. $32,200 \text{ in}^3$
3. $19,200 \text{ in}^3$
4. $15,360 \text{ in}^3$

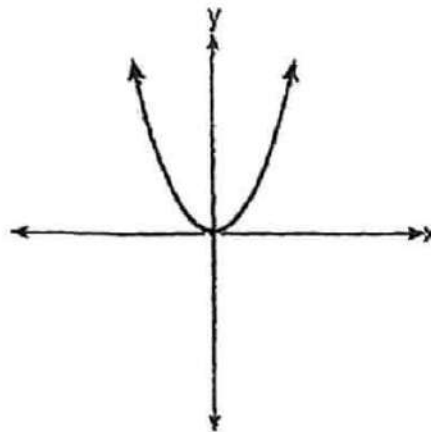
10. A joker's cap is a cone with a base radius of 7 cm, and a height of 24 cm. Find the area of the sheet required to make 10 such caps. $\left(\text{take } \pi = \frac{22}{7} \right)$

1. $7,040 \text{ cm}^2$
2. $5,720 \text{ cm}^2$
3. $5,500 \text{ cm}^2$
4. $5,280 \text{ cm}^2$

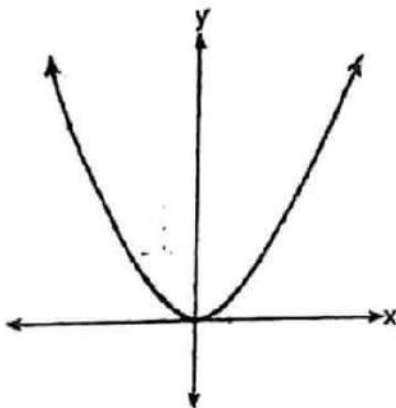
11. Evaluate : $6 \tan^2 A + 8 \sin 2A \cos A$, if $\frac{\tan 60^\circ \cos 60^\circ \operatorname{cosec} 30^\circ}{\cot 45^\circ \sec 60^\circ} = \cos A$

1. 8
2. 10
3. 13
4. 15

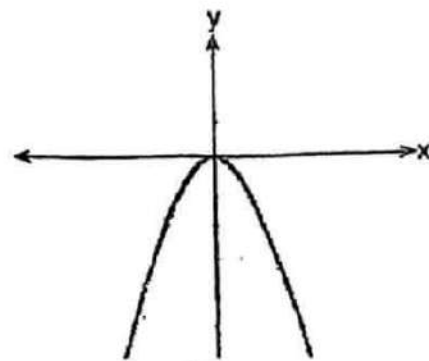
12. The graph of $y = x^2$ is shown below



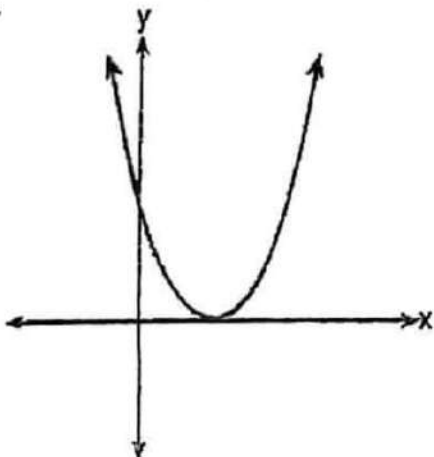
Which graph represents $y = 2x^2$?



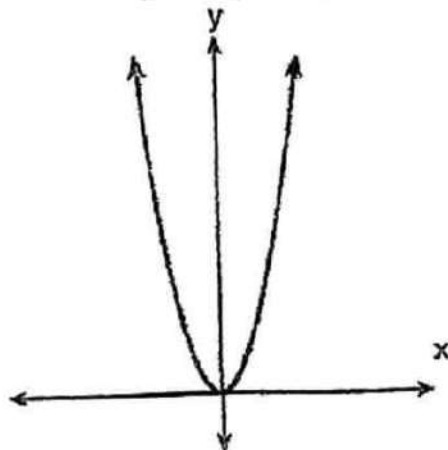
2.



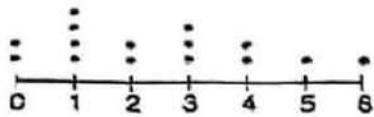
3.



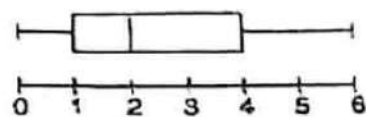
4.



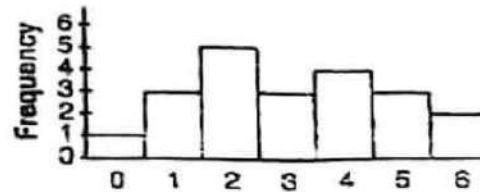
13. Which data representations have a median of 2?



1.



2.



3.

1. 1 and 2 only
2. 1 and 3 only
3. 2 and 3 only
4. 1, 2 and 3

14. Bird and Kamin compared their math final exam scores from grade 8 through grade 12.

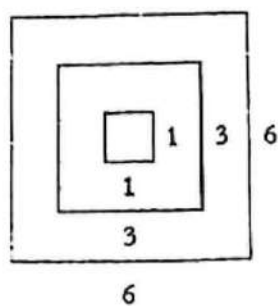
Their scores are shown below.

Year	Bird	Kamin
8 th	90	78
9 th	92	96
10 th	87	87
11 th	94	94
12 th	95	93

Which statement about their final exam scores is correct?

1. Kamin has a higher mean than Bird.
2. Bird and Kamin have the same median.
3. The 1st quartile of Bird is greater than the 1st quartile for Kamin.
4. The 3rd quartile for Bird is greater than the 3rd quartile for Kamin.

15. Find the probability that a point chosen at random would fall in the dark area.



1. $\frac{1}{6}$
2. $\frac{2}{3}$
3. $\frac{4}{9}$
4. $\frac{2}{9}$

ตัวอย่างข้อสอบวิชาวิทยาศาสตร์ ม.4 (ห้องเรียน EP)

1. What elements are usually brittle solids at room temperature?

Use this Periodic table in this Item 1.

Transition elements

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

2. An example of a metalloid

Element	Conductivity	Luster	State at Room temperature
Si	Some	Some	Solid
Ne	No	No	Gas
C	No	No	Solid
Cu	Yes	Yes	Solid

A metalloid is

1. Copper
2. Carbon
3. Silicon
4. Neon

3. What is the correct order for obtaining salt from a mixture of sand and salt?
 1. Dissolving in water - filtration - evaporation
 2. Evaporation - filtration - dissolving in water
 3. Filtration - dissolving in water - evaporation
 4. Dissolving in water - evaporation - filtration

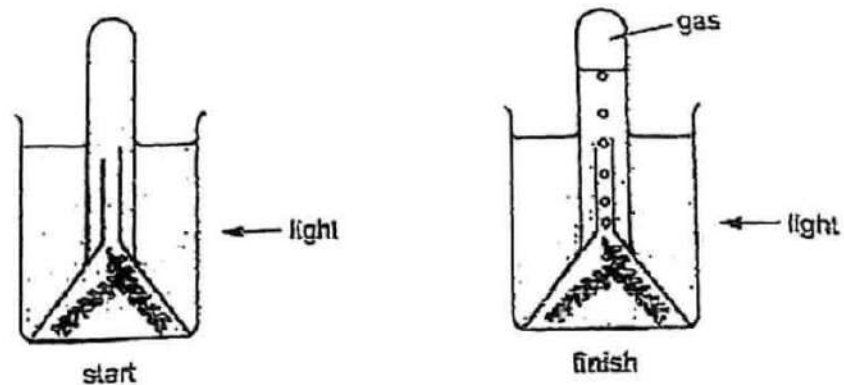
4. Which chemical equation is *INCORRECT*?
 1. $\text{Mg(s)} + 2\text{HCl(aq)} \rightarrow \text{MgCl}_2\text{(aq)} + \text{H}_2\text{(g)}$
 2. $6\text{CO}_2\text{(g)} + 12\text{H}_2\text{O(l)} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6\text{(s)} + 6\text{H}_2\text{O(l)} + 6\text{O}_2\text{(g)}$
 3. $4\text{NaHCO}_3\text{(aq)} \rightarrow 2\text{Na}_2\text{CO}_3\text{(aq)} + \text{H}_2\text{O(l)} + \text{CO}_2\text{(g)}$
 4. $4\text{NH}_3\text{(g)} + 5\text{O}_2\text{(g)} \rightarrow 4\text{NO(g)} + 6\text{H}_2\text{O(l)}$

5. Which is a way to increase the rate of a reaction?
 1. add an inhibitor.
 2. cool the reactants first.
 3. increase the surface area of the reactants.
 4. decrease the concentration of the reactants.

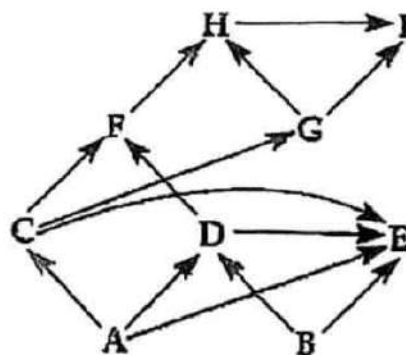
6. The acidity of blood stream depends on the amount of Carbon dioxide circulating throughout the human body. The acidity could be reduced by excrete of Carbon dioxide via respiratory system. Which structure control the excretion of Carbon dioxide and what does the process are called? Process Cell structure

	Cell structure	Process
1.	Cell membrane	Simple diffusion
2.	Cell membrane	Osmosis
3.	Endoplasmic reticulum	Active transport
4.	Cell wall	Simple diffusion

7. From the experiment, which sentence is *CORRECT*?



1. Light energy is captured by mitochondria.
 2. Gas that was produced in the test tube is Oxygen.
 3. Gas that was produced in the test tube is Carbon dioxide.
 4. If the light intensity increase, then gas production rate will decline significantly.
8. Kari has two pet rats with black fur. When her rats mated, one of their four offspring had white fur, and the other three had black fur. Which is most likely true for Kari's rats?
1. Both parents are homozygous for the white-fur trait, which is recessive.
 2. Both parents are heterozygous for the white-fur trait, which is dominant.
 3. Both parents are heterozygous for the white-fur trait, which is recessive.
 4. Both parents are heterozygous for the white-fur trait, which is sex-linked.
9. Aren observed the relationship of organisms in an ecosystem and created the food web as below. Arrows indicate the direction of energy flow.

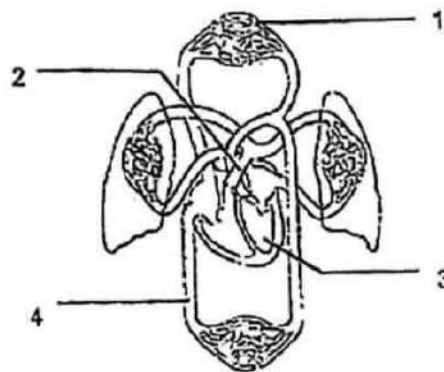


Which among the sentences is/are *INCORRECT*?

- A. This food web has two producers
- B. If H was overhunted by I, the population of C and D will be decreased
- C. The limited population of D could cause competition among E F and G

- 1. B
- 2. A, C
- 3. C
- 4. B, C

10. The circulatory system of a mammal is represented in the picture below.



Which among the sentences is/are *CORRECT*?

- A. Blood circulate through 1 with the slowest rate.
- B. 3 receive oxygenated blood from lung through pulmonary vein.
- C. 2 transport oxygenated blood and 4 transport deoxygenated blood.

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

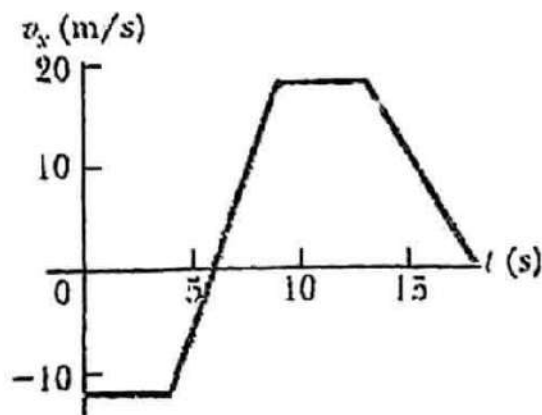
11. An object that is thrown straight up falls back to Earth. This is one dimensional motion

Which is *TRUE*?

- 1. Displacement is maximum at the lowest.
- 2. Acceleration is changed at the top.
- 3. Velocity direction is the same.
- 4. Acceleration direction is the same.

12. Consider the velocity vs. time graph below.

What is the magnitude of displacement and the initial magnitude of acceleration equal to zero?



1. 84 meters, at 0-4 seconds
2. 84 meters, at 4-9 seconds
3. 204 meters, at 0-4 seconds
4. 204 meters, at 4-6 seconds

13. Consider about the experiment

"Wagyu conducted an experiment by placing one end of the iron rod in a hot tub and leaving it for a few minutes. He could not hold the iron rod with his bare hands."

According to the experiments, what form of heat transfer is it?

1. Conduction
2. Convection
3. Radiation
4. Absorption

14. Which is TRUE of a device in a parallel circuit?

1. It has three or more wires connected to it, instead of two.
2. It requires more current than if it were in a series circuit.
3. It is on the same path of current as all other devices on the circuit.
4. It is on a different path of current from at least one other device in the circuit.

j. Why does fulcrum placement matter for how a lever works?

1. It affects only the relative direction of input and output forces.
2. It affects the mechanical advantage of the lever.
3. It affects both the mechanical advantage and the relative direction of input and output forces.
4. It does not affect either mechanical advantage or relative direction of input and output forces.
