

P4 SCIENCE
Test 1
Booklet A

Starting Time: _____
Ending Time: _____

Date: _____
Marks: _____

Answer the following questions

1) Which group does the fish belong to?

A	B
butterfly	Cat
jellyfish	Panda

(1) A

(2) B

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2) Which group does the chicken belong to?

A	B
parrot	tiger
butterfly	Panda

(1) A

(2) B

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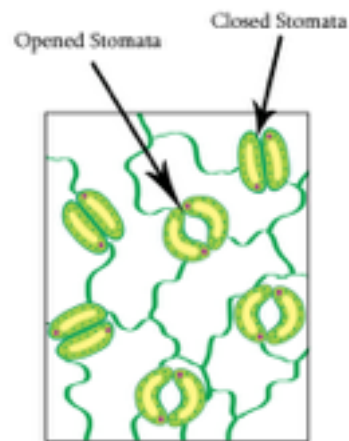
3) Which group does the spider belong to?

A	B
cow	ant
dog	dragonfly

(1) A

(2) B

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4) What is one function of the stomata in the leaves?

- (1) It takes in oxygen and gives out carbon dioxide during photosynthesis
- (2) It takes in carbon dioxide and gives out oxygen during photosynthesis

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5) The stomata is needed in the process of respiration and photosynthesis, true or false?

- (1) True
- (2) False

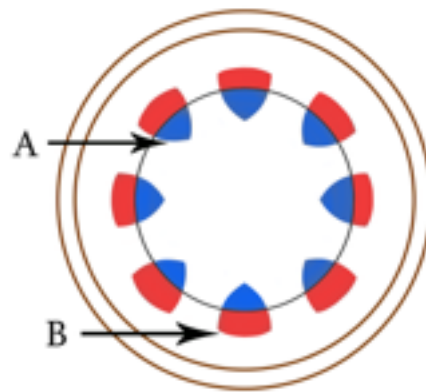
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6) What are the products of photosynthesis?

- (1) Air, water and light
- (2) Sugar and oxygen

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JJ Linn drew the diagram below:



7) What is A?

(1) Xylem

(2) Xylem

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8) What is B?

(1) Phloem

(2) Phloem

()

9) What is the function of A?

(1) It transports food

(2) It transports water

()

10) What is the function of B?

(1) It transports food

(2) It transports water

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Ms Tutu Kueh was observing her shadow at different times of the day in Tampiness Town.

11) When will Ms Tutu Kueh's shadow be the shortest?

- (1) At noon
- (2) At 8am and 6pm

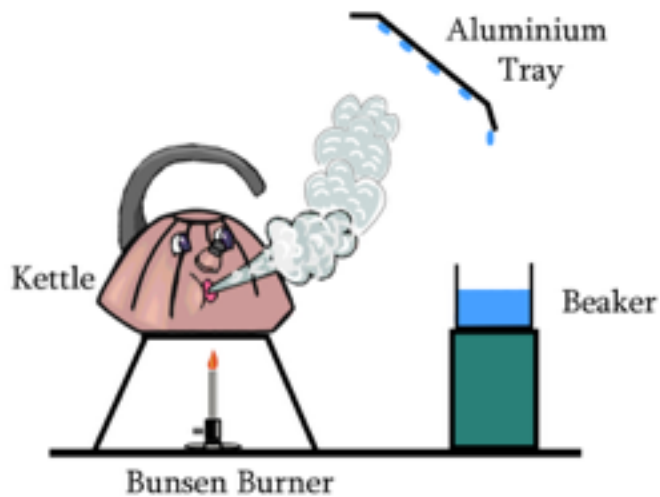
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12) How are shadows formed?

- (1) When light is blocked, a shadow is formed
- (2) Light is bended, so a shadow is formed

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Kaypoh Kia sets up the following:



13) What process is taking place in the kettle?

- (1) Boiling
- (2) Condensation

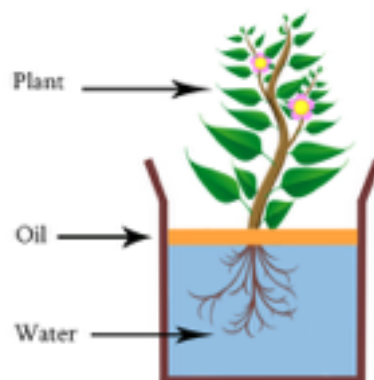
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14) Explain the change of state in the process stated in Q13.

- (1) From gas to liquid
- (2) From liquid to gas

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15. Mr Ooo La La poured a layer of oil on water.



What happened to the water level after 48 hours?

- (1) The water level remained the same
- (2) The water level decreased

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16. The water was lost due to evaporation, true or false?

(1) True

(2) False

()

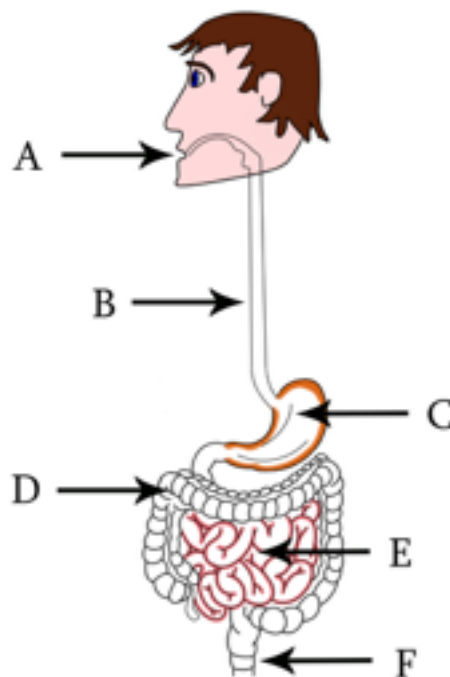
17. Explain your answer for Q16

(1) The layer of oil prevented evaporation from taking place

(2) The plant lost water through its leaves

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Laksa Auntie compiled some data about the Digestive System.



18) A-digestion starts, C-food is further digested by digestive juices. D-digestion is completed. Which part(s) has/have been matched wrongly with its function?

(1) C

(2) D

()

19) Explain

(1) Digestion begins in the mouth and ends at the small intestine

(2) Digestions begins in the mouth and ends at the large intestine

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20) Which other body system works together with the digestive system?

(1) Muscular system

(2) Circulatory system

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P4 SCIENCE

Test 1

Booklet B

Starting Time: _____

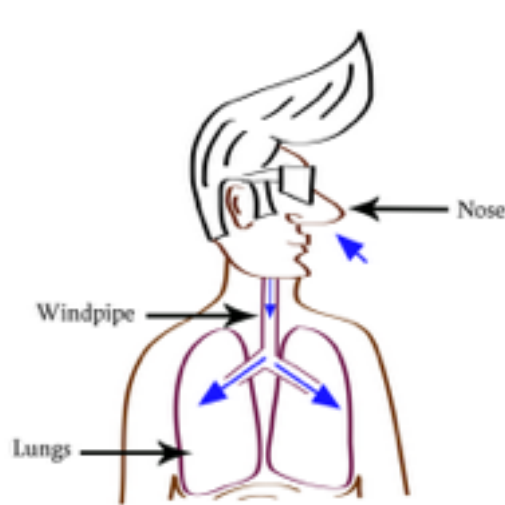
Date: _____

Ending Time: _____

Marks: _____

Answer the following questions(2m each)

Jian Hao T. drew a diagram of the respiratory system:

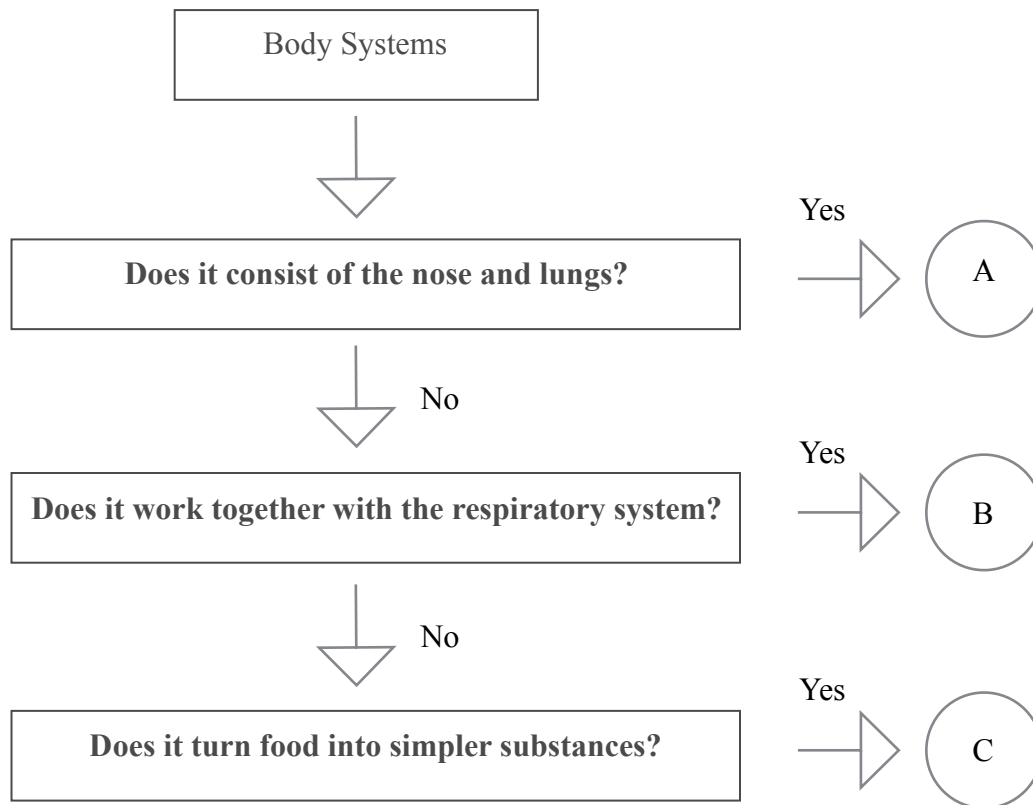


Fill in the following:

Part	Functions
Nose	
Windpipe	
Lungs	

(2m for each blank)

2)



(a) According to the flow chart above, name the body systems respectively:

A - _____

B - _____

C - _____

(b) According to the flow chart, which two systems work together?

(c) What is the function of the large intestine?

3)

A	B
Dog	Cat
Duck	Panda

(a) Which animal is wrongly classified?

(b) Explain your answer in (a)

(c) Give an example of an animal we can place in Group A

(d) Can we place hippopotamus in Group B? Why?

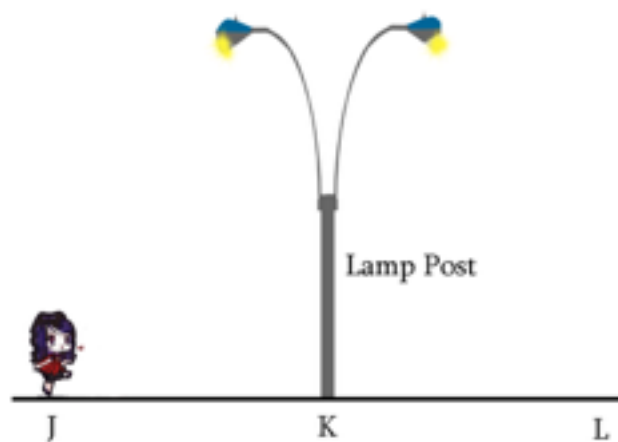
4)

A	B
Bee	Duck
Sparrow	Fish

(a) Which group does eagle belong to? Why?

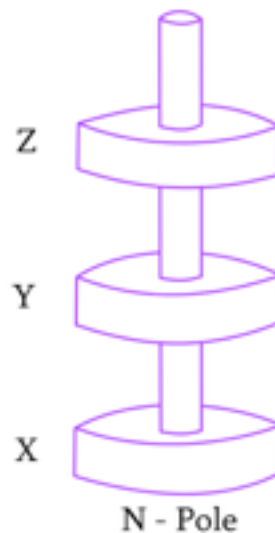
(b) What can be a suitable heading for Group B?

5. Ice Kachang Girl walked down Marina Bay, passing by a lamp post as shown:



(a) What will be the changes in the length of her shadow as she walks from J to L?

6. Char Kway Teow Uncle placed three identical ring magnets X, Y and Z through a wooden rod.



He observed that they were at a distance from each other.

a) Why are Magnets X, Y and Z floating above each other?

b) What happens if Magnet Z is removed?

7. Snoopy used some wires, batteries, a switch and an iron bar to make a temporary magnet. After that, he conducted an experiment. His results are shown below:

No of coils	No. of paper clips attracted
5	3
10	7
15	11
20	15
25	19
30	23
35	27
40	31

(a) What was the aim of his experiment?

(b) What does the results show?

(c) What variable(s) have changed in this experiment?

8. His friend, Linuus decided to use the same items and conducted another experiment. His results are shown below:

No of batteries	No. of paper clips attracted
2	5
3	11
4	17
5	23
6	23
7	0
8	0

(a) What was Linuus trying to find out?

(b) What is the relationship between the number of batteries used and the magnetic strength of the magnet?

(c) Why was the magnet unable to attract any paper clips when 7 and 8 batteries were used?

(d) How can he ensure that his results are accurate?

9. Taeminn wanted to find out which material is most suitable to make curtains and he looked at the information below:

Material	Amount of light on screen (lux)
A	80
B	20
C	60
D	10

(A datalogger was used to measure the amount of light that passed through the material)

(a) Which material is suitable to make curtains?

(b) Explain your answer in (a)

(c) Which material is suitable for a fish tank? Why?

10.

(a) Give 2 examples of natural light sources

(b) State True or False for the following:

- i) When the object is closer to the light source, the shadow is bigger but blurred - _____
- ii) Frosted glass is transparent - _____
- iii) When the object is closer to the screen, the shadow is smaller but darker - _____
- iv) A Nutella jar is transparent - _____

P4 SCIENCE

Test 1

Booklet A

- | | | |
|-----------------------------------|---------|---------|
| 1. (2) - - - B are vertebrates | 9. (2) | 17. (1) |
| 2. (1) - - - A has wings | 10. (1) | 18. (2) |
| 3. (2) - - B has more than 4 legs | 11. (1) | 19. (1) |
| 4. (2) | 12. (1) | 20. (2) |
| 5. (1) | 13. (1) | |
| 6. (2) | 14. (2) | |
| 7. (1) | 15. (2) | |
| 8. (2) | 16. (1) | |

Booklet B

1.

Part(s)	Functions
Nose	Takes in Oxygen Gives Out Carbon Dioxide Tiny hairs trap dust and dirt before it enters the lungs
Windpipe	Connecting the nose and lungs Air travels from the nose, down the windpipe to the lungs
Lungs	Gaseous exchange

2.

- (a) A- Respiratory System, B- Circulatory System, C- Digestive System
 (b) There are two answers for this: **A and B** or **B and C**
 (c) It absorbs water from the undigested food

3.

- (a) Dog
 (b) Group A are for animals with 2 legs
 (c) Any animal that has 2 legs
 (d) Yes, it has 4 legs

4.
(a) A, Group A are for animals that can fly
(b) Animals that swim/ Animals that cannot fly
5.
(a) J-longest, K-shortest, L-longest
6.
(a) Like poles repel
(b) It will remain the same, there is no change
7.
(a) He wanted to find out if the number of coils will affect the magnetic strength of the magnet
(b) As the number of coils increase, the number of paper clips attracted increased
(c) The number of coils
8.
(a) He wanted to find out if the number of batteries affected the magnetic strength of the magnet
(b) As the number of batteries increased, the magnetic strength of the magnet increased
(c) The batteries could be flat
(d) Repeat the experiment 3 more times
9.
(a) D
(b) D has the least amount of light passing through, so it is opaque
(c) A, it has the most amount of light passing through, so it is transparent
10.
(a) Sun, stars, fireflies, glow worms, angler fish (any 2 is accepted)
(b)
i) T ii) F iii) T iv) T