

TAO NAN SCHOOL

PRIMARY 3 SCIENCE MID-YEAR EXAMINATION – 2009

Name : \_\_\_\_\_ ( )

Date : 14 May 2009

Class : P3 \_\_\_\_\_

Time : 8.00 a.m. to 9.15 a.m.

Booklet A

**INSTRUCTIONS TO CANDIDATES**

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Answer all questions.

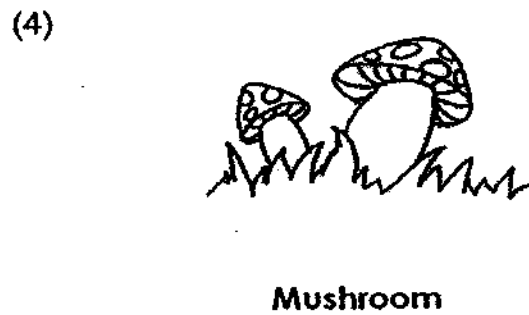
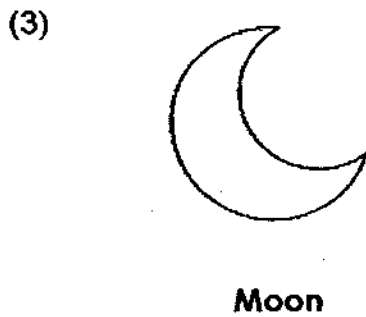
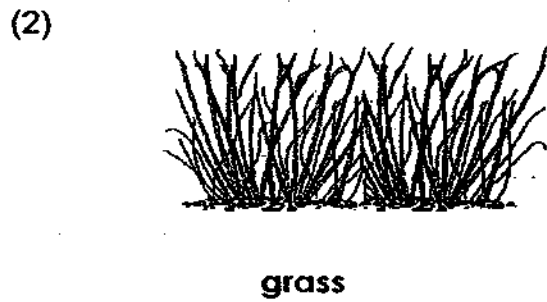
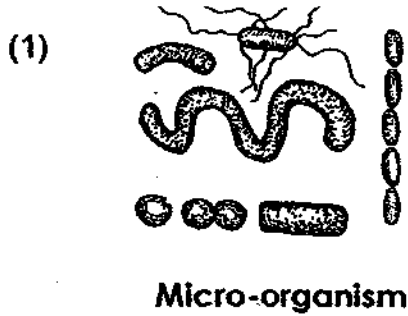
	Score	Marks
Section A		60
Section B		40
Total		100

Parent's Signature : \_\_\_\_\_

**Section A (30 x 2 marks)**

**For each question, choose the most suitable answer and shade its correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.**

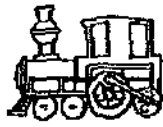
1. Which of the following is a non-living thing?



2. Mushroom, toadstools and yeast belong to a group called \_\_\_\_\_.

- (1) fungi
- (2) plants
- (3) bacteria
- (4) micro-organisms

3. Which of the following need air to survive?



Toy Train

A



Tree

B



Butterfly

C



Pail

D

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) C and D only

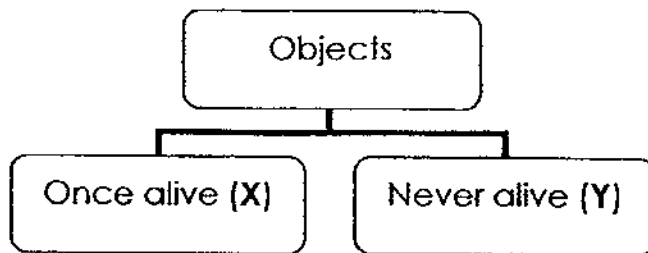
4. Which of the following does not reproduce by seeds?

- (1) Durian tree
- (2) Papaya tree
- (3) Balsam plant
- (4) Bird's Nest Fern

5. The monkey and the spiny anteater can be placed in the same group because they \_\_\_\_\_.



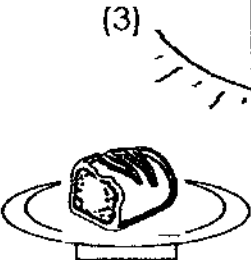

- (1) live in water
- (2) give birth to young alive
- (3) have similar body shapes
- (4) have similar outer coverings

6. Which pair of objects can be placed in X and Y respectively?



	X	Y
(1)	Plastic ball	Mirror
(2)	Glass	Leather wallet
(3)	Paper clip	Mobile phone
(4)	Cotton skirt	Metal spoon

7. Which of the loaves of bread will turn mouldy fastest?

(1)	(2)	(3)	(4)
			
In a sealed plastic bag	On a plate	On a plate	In a sealed plastic bag
Conditions : Cold Dry No sunlight	Conditions : Cold Moist No sunlight	Conditions : Warm Moist Sunlight	Conditions : Warm Dry Sunlight

8. The cups below are of the same size and thickness.  
Which one of these types of cups is the **heaviest**?

(1)



Wooden cup

(2)



Silver cup

(3)



Paper cup

(4)



Plastic <sup>cup</sup> ~~ball~~

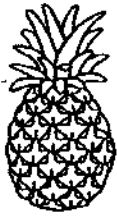
9. Which of these statements about insects is incorrect?

- (1) All insects lay eggs.
- (2) All insects have wings.
- (3) All insects have two feelers.
- (4) All insects have three body parts.

10. Which of the following is not a function of a stem?

- (1) It holds the plant firmly to the ground.
- (2) It transports food to all parts of the plant.
- (3) It holds the different parts of the plant together.
- (4) It transports water and mineral salts to all parts of the plant.

11. Which of the following fruits produce young plants from seeds?



Pineapple

A



apple

B



Pear

C

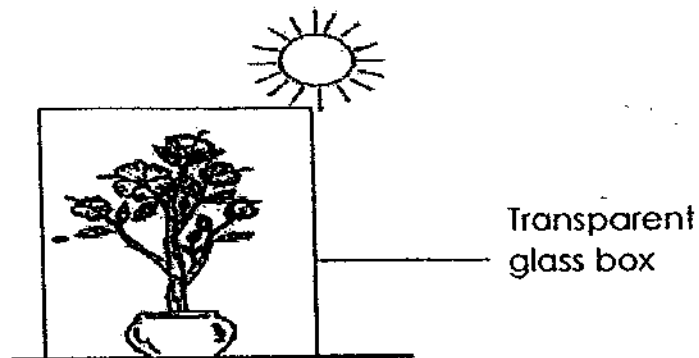


Kiwi

D

- (1) A and D only
- (2) B and C only
- (3) B, C and D only
- (4) A, B and C only

12. Ben inverted a transparent glass box over a plant and put the setup under bright sunlight for a few hours in the afternoon as shown in the diagram below. How will the amount of oxygen and carbon dioxide in the glass box change with time?

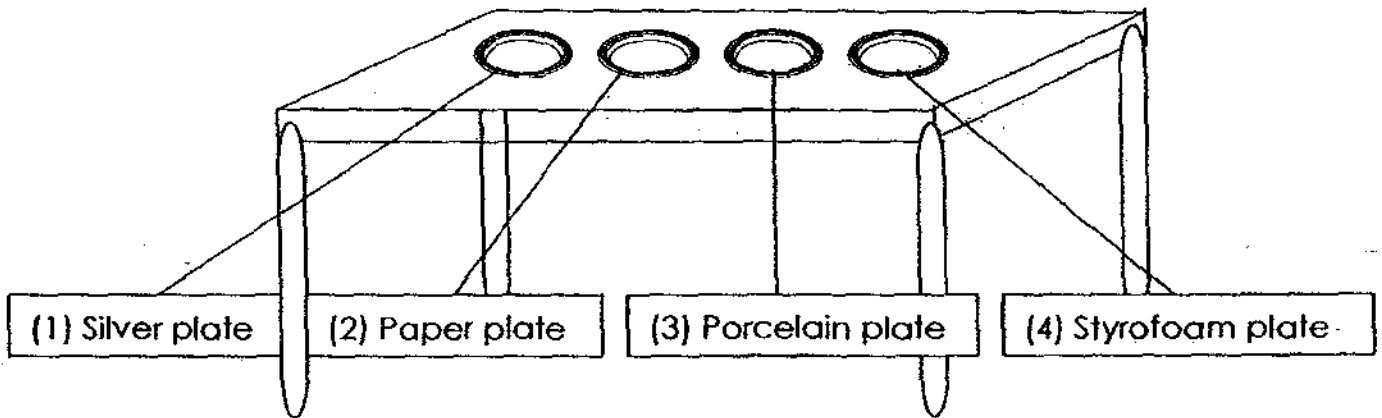


	Quantity of oxygen	Quantity of carbon dioxide
(1)	Increase	Decrease
(2)	No change	Increase
(3)	Decrease	No change
(4)	Decrease	Increase

13. Which one of the following is a flowering plant?

- (1) Ginger
- (2) Fir Tree
- (3) Seaweed
- (4) Bird's Nest Fern

14. Ben accidentally knocked against the table and caused all four plates to fall to the floor. Which of the plates below will break into pieces?

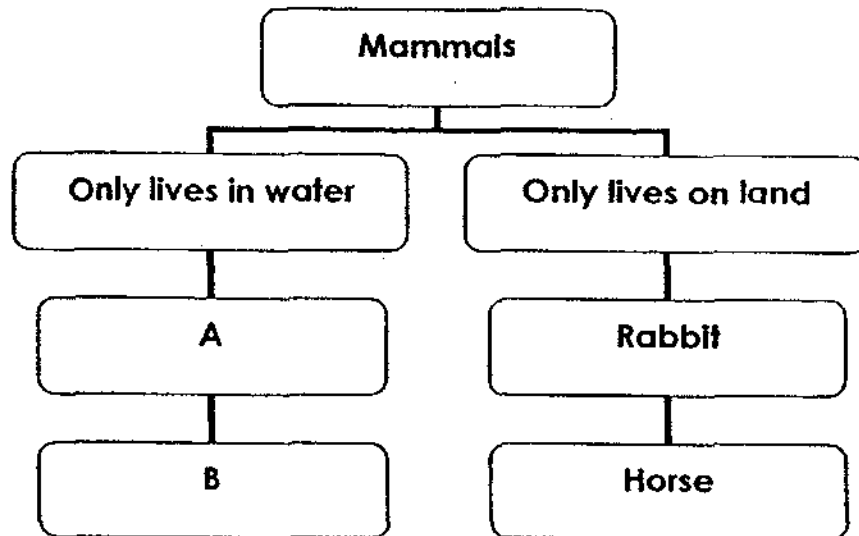


15. Look at the picture drawn below. Which part of the plant does 'X' represent?



- (1) Leaf
- (2) Stem
- (3) Root
- (4) Flower

16. Study the classification table below.



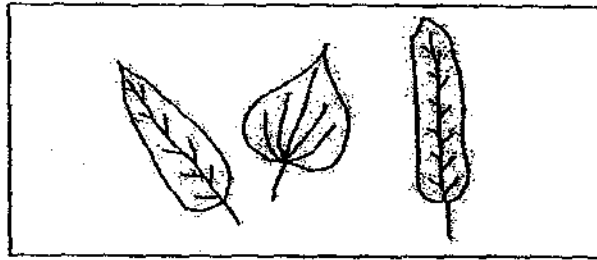
Which of the following can represent 'A' and 'B'?

- (1) Molly and whale
- (2) Whale and walrus
- (3) Polar bear and turtle
- (4) Dolphin and penguin

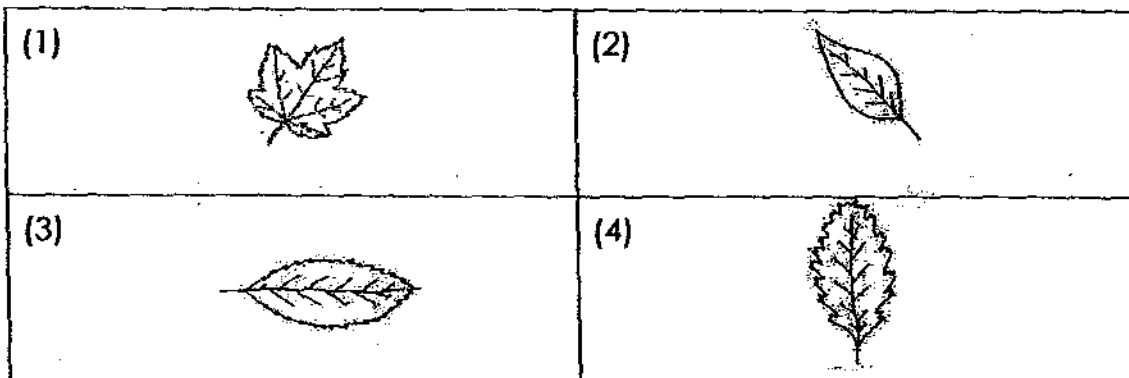
17. This animal does not have scales on its body. What is it?

- (1) seal
- (2) snake
- (3) guppy
- (4) swordtail

18. The leaves below have been classified based on their common characteristics.



Which one of the following will you place in this group?



19. Mr Lee uses rubber gloves to protect his hands while painting. What are the properties of the gloves that make it suitable for such a purpose?

- (1) Strong and inflexible
- (2) Waterproof and flexible
- (3) Soft and floats on water
- (4) Hard and absorbs water

20. All the following fruits have many seeds except the \_\_\_\_\_.

- (1) apple
- (2) mango
- (3) orange
- (4) watermelon

21. A, B, C and D are four different materials.

Property Material	Hard	Flexible	Waterproof	Allows light to pass through
A		✓		✓
B	✓		✓	
C		✓	✓	✓
D	✓	✓		✓

Which of the following materials can be used to make food wrap?

- (1) A
- (2) B
- (3) C
- (4) D

22. Study the table below.

Group X	Group Y
Wallet	Dolphin
Table	Crab
Fan	Rubber tree

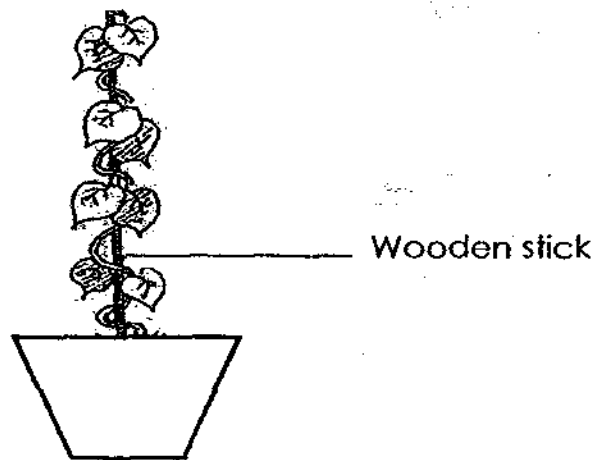
Which of the following describes the difference between Group X and Group Y correctly?

- (1) Things in Group X are light while things in Group Y are heavy.
- (2) Things in Group X cannot move while things in Group Y can move.
- (3) Things in Group X are non-living things while things in Group Y are living things.
- (4) Things in Group X are found in a house while things in Group Y are found at the seaside.

23. Which part of a plant absorbs water and mineral salts?

- (1) Roots
- (2) Stems
- (3) Leaves
- (4) Flowers

24. Observe the plant below. What can you say about the function of the stem of this plant?

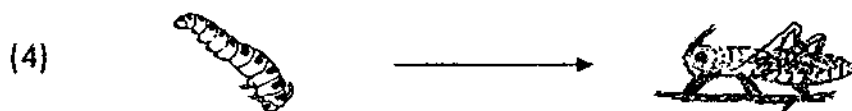
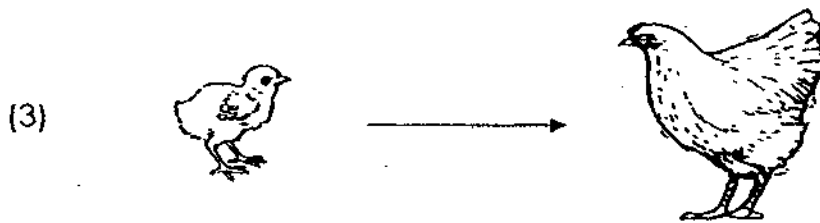


- (1) It makes food for the plant.
- (2) It helps to plant to form fruits.
- (3) It supports the plant and holds it firmly to the ground.
- (4) It twines around the wooden stick to help the leaves get enough sunlight.

25. Which of the following statements about plants is **not** correct?

- (1) All plants can die.
- (2) All plants produce flowers to reproduce.
- (3) Plants can respond to changes around them.
- (4) Plants need carbon dioxide, water and sunlight to make food.

26. The following pairs of animals show the young and its adult. Which one is incorrectly paired?



27. What is the function of the fins of a fish?

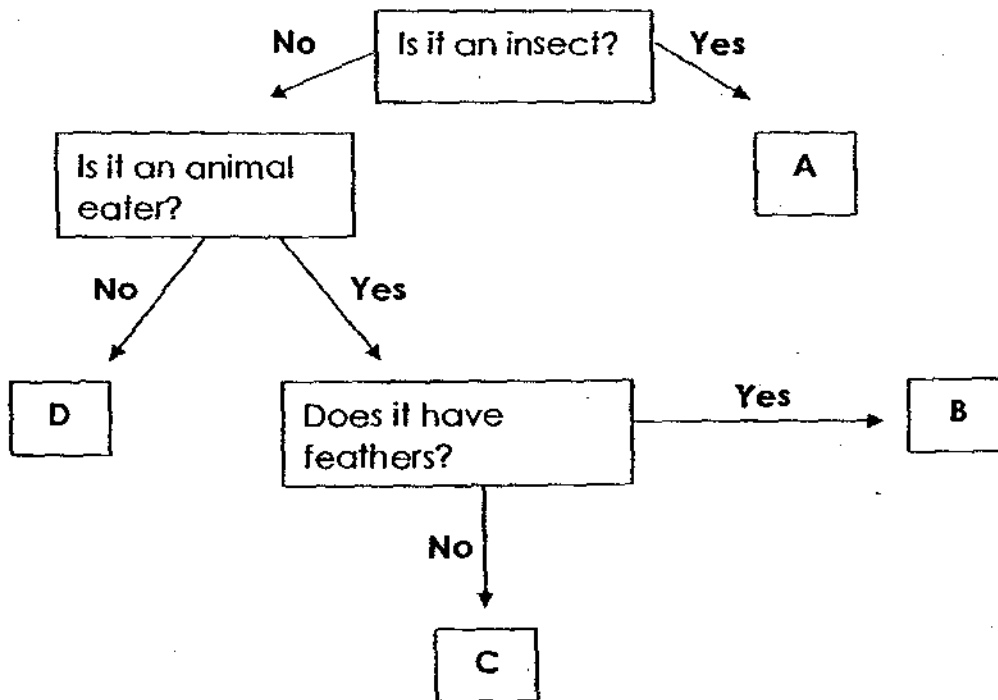
- (1) It allows the fish to swim.
- (2) It helps to protect the gills.
- (3) It allows the fish to reproduce.
- (4) It is to help it breathe in water.

28. Which of the following animals lay eggs?

- A: dragonfly
- B: goat
- C: duck-billed platypus

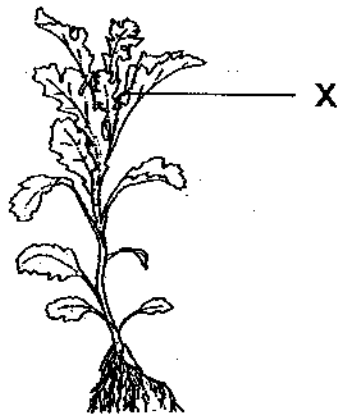
- (1) A and B
- (2) A and C
- (3) B and C
- (4) C and B

29. Study the diagram below. Which of the following represents a tiger?



- (1) A
- (2) B
- (3) C
- (4) D

30. What is the function of the plant part labelled 'X'?



- (1) It carries water to all parts of the plant.
- (2) It makes food for the plant.
- (3) It holds the plant firmly to the ground.
- (4) It absorbs mineral salts from the soil.

**TAO NAN SCHOOL**  
**PRIMARY 3 SCIENCE MID-YEAR EXAMINATION – 2009**

Name : \_\_\_\_\_ (        )      Date : 14 May 2009

Class : P3 \_\_\_\_\_

Time : 8.00 a.m. to 9.15 a.m.

**Booklet B**

**INSTRUCTIONS TO CANDIDATES**

**Do not open this booklet until you are told to do so.**

**Follow all instructions carefully.**

**Answer all questions.**

	<b>Score</b>	<b>Marks</b>
<b>Section B</b>		<b>40</b>

**Section B (40 marks)**

**Write your answers in the spaces provided.**

31. A bat is not a bird. Which group of animals should it be classified under?



Bat



Bird

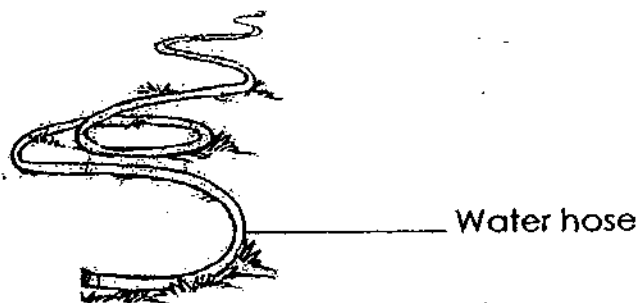
a) \_\_\_\_\_ (1m)

b) State 2 characteristics to show that it is **not** a bird. (2m)

i) \_\_\_\_\_

ii) \_\_\_\_\_

32. The diagram below shows a garden water hose. State 2 physical properties it should have.



a) \_\_\_\_\_ (1m)

b) \_\_\_\_\_ (1m)

33. For the following vegetables, name the part of the plant that can be eaten

a) water chestnut : \_\_\_\_\_ (1m)

b) turnip : \_\_\_\_\_ (1m)

34. The diagram below shows part of a mimosa plant. Its leaves fold up when they are touched.



Which characteristic of living things does this show? (1m)

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35. Study the classification table below.

Group A	Group B
car	fern
plastic spoon	zebra
book	snail

Give a suitable heading for Group A and Group B.

(a) Group A : \_\_\_\_\_ (1 mark)

(b) Group B : \_\_\_\_\_ (1 mark)

(c) In which group should 'clouds' be placed in?

Group \_\_\_\_\_ (1 mark)

36. Fill in the blanks with the most appropriate answers. (3m)

<del>thorax</del>	<del>reproduce</del>	<del>wings</del>
<del>six</del>	<del>feelers</del>	<del>three</del>

Insects are animals that have (a) \_\_\_\_\_ body parts. They are the (b) \_\_\_\_\_ abdomen and head. Most of them c) \_\_\_\_\_ by laying eggs. They have (d) \_\_\_\_\_ legs and a pair of (e) \_\_\_\_\_. Some have (f) \_\_\_\_\_ while some do not.

37. The objects below were made from things that were once alive. Match these objects to the living things that they came from. (3m)



tree



Woolen sweater



cow



Leather bag



sheep



chair

38. Name the outer covering of the animal shown below.



i) Outer covering : \_\_\_\_\_ (1m)

ii) State two functions of this outer covering. (2m)

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39. A penguin and a duck are grouped as birds.



Penguin



Duck

i) Observe the picture and state two similar characteristics of the two birds above. (2m)

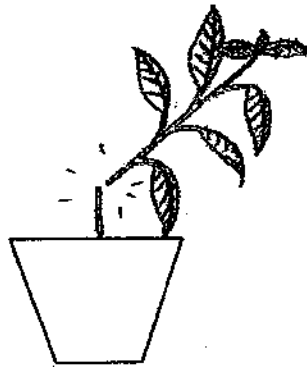
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ii) State one different characteristic between a penguin and a duck. (1m)

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40. A stem of a plant is snapped into two.



a) What is the colour of the leaves after a week? (1m)

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b) Explain your answer in (a). (1m)

---

41. Write true (T) or false (F) in the spaces provided. (4m)

		T or F
a)	Davis is wiping the table as he can see the germs on it.	
b)	All mammals feed their young with milk.	
c)	All insects have 3 body parts on their body.	
d)	Living things respond to changes around them.	

42. Classify these things into the table below. (3m)

mushroom	cactus	parrot
duck	orchid	turtle

Birds	Plants	Other living things

43. Observe the two types of leaves, X and Y, as shown below.



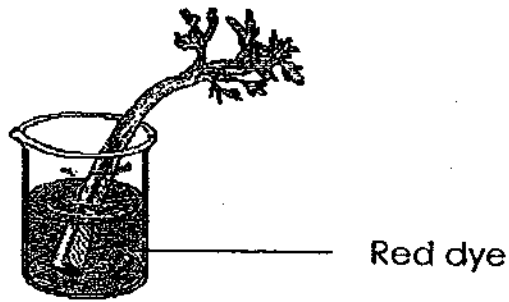
a) State one similarity. (1m)

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b) State one difference. (1m)

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44. Look at the diagram of a celery stalk in a beaker below.



a) What would happen to the celery stalk after 3 days? (1m)

\_\_\_\_\_

b) Explain your answer in (a). (1m)

\_\_\_\_\_

45. Metal is used to make vehicles. State 2 properties of metal that makes it a suitable choice. (2m)

a) \_\_\_\_\_

b) \_\_\_\_\_

46. State two differences in the characteristics of fungi and plants. (2m)

Differences	Fungi	Plant
(a)	_____ _____ _____	_____ _____ _____
(b)	_____ _____ _____	_____ _____ _____

End of paper

# ANSWER SHEET

## EXAM PAPER 2009

SCHOOL : TAO NAN PRIMARY  
SUBJECT : PRIMARY 3 SCIENCE

TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
3	1	3	4	4	4	3	2	2	1	3	1	1	3	3	1	1

Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30
2	2	2	3	3	1	4	2	4	1	2	3	2

31)a)Mammals.

b)i)It produces milk to feed it young.

ii)It gives birth to young.

32)a)Flexible      b)Strong

33)a)Stem          b)Roots

34)Living things can respond to changes.

35)a)Non-living things

b)Living things

c)A

36)a)three    b)thorax    c)reproduce    d)six    e)feelers    f>wings

37)tree→chair    cow→Leather bag    sheep→Woolen sweater

38)i)Feathers

ii)It protects the bird.

39)i)They can swim.

ii)Their beaks are different in shape.

40)a)Yellow.

b)The leaves had dried up.

41)a)F b)T c)T d)T

42)Birds

Parrot

Duck

Plants

orchid

cactus

Other living things

turtle

mushroom

43)a)They have veins.

b)Leaf X has an entire edge but Leaf Y has a jagged edge.

44)a)The leaves will become me red.

b)The stem absorbs the red dye and the stem transports the red dye to the other parts of the plant.

45)a)Strong b)Hard

46)a)They do not make food.

They make their own food.