

SAT

NAN HUA PRIMARY SCHOOL
MID-YEAR EXAMINATION 2005
SCIENCE
PRIMARY THREE

Name : _____
Class : Pr. 3 _____
Date : 12 May 2005
Duration : 1 h 30 min

Section A : _____ / 50
Section B : _____ / 30
Total Marks : _____ / 80

Parent's Signature

Section A (25 X 2 marks)

Choose the correct answer for each question and write its number in the brackets provided.

1. Which one of the following statements about living things is true?

- (1) They cannot grow.
- (2) They do not need food.
- (3) They cannot have young.
- (4) They can respond to changes around them.

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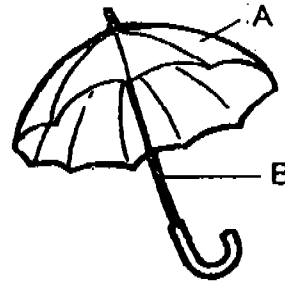
2. The platypus and the spiny anteater are different from most mammals because they _____.

- (1) lay eggs
- (2) have hair
- (3) take care of their young
- (4) feed their young with milk

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3. Which of the following materials are most suitable for making parts of an umbrella that can be used on a rainy day?

	Part A	Part B
(1)	Plastic	Glass
(2)	Nylon	Rubber
(3)	Paper	Plastic
(4)	Canvas	Aluminium



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4. The table below shows four animals and their body coverings. Which one is wrongly matched?

	Animal	Body Covering
(1)	gorilla	hair
(2)	horse	shell
(3)	snake	scales
(4)	eagle	feathers

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5. The metal used to make aeroplanes must be _____.

- (1) light and shiny
- (2) light and strong
- (3) shiny and strong
- (4) easily bent and strong

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6. How is a fern different from the hibiscus plant?

- (1) It does not have chlorophyll
- (2) It could not make its own food
- (3) It does not have green leaves
- (4) It produces spores instead of seeds



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7. Raincoats are usually made of plastics because _____.

- A - plastics are light
- B - plastics are waterproof
- C - plastics are transparent

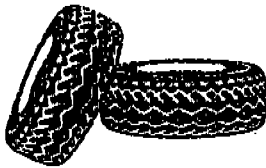
- (1) A and B only
- (2) B and C only
- (3) A and C only
- (4) A,B and C only



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8. Which one of the following objects is not made of materials that come from animals?

(1)



Tyres

(2)



Leather bag

(3)



Silk Shirt

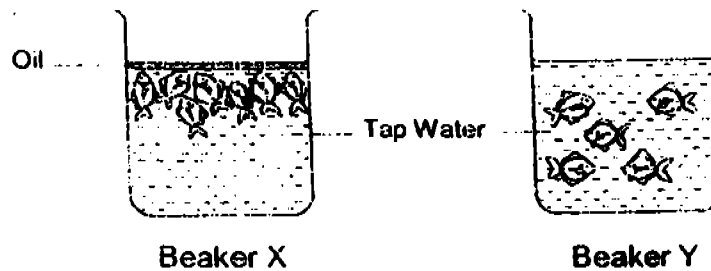
(4)



Woolen sweater

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9. Study the two set-ups below.

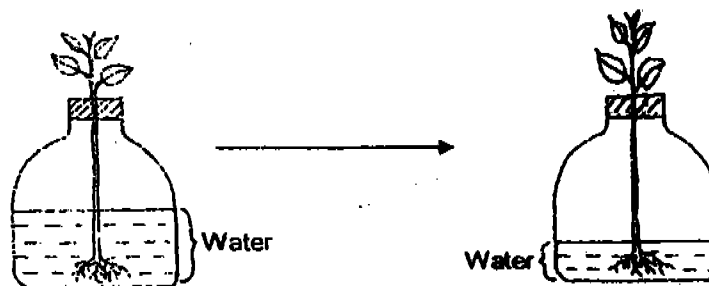


Which one of the following statements can we be most sure of?

- (1) Only the fish in Beaker Y need air.
- (2) The fish in Beaker X like to eat oil.
- (3) The fish in Beaker X will surely die.
- (4) The fish in Beaker Y do not like to swim to the surface ()

10. Wood is a good material for making furniture. This is because wood _____.

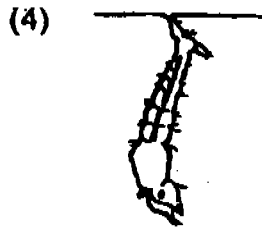
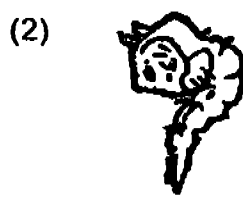
- (1) is light and sturdy
- (2) feels soft and is waterproof
- (3) is strong and can conduct heat
- (4) bends easily without breaking ()



11. A plant was left to grow in a bottle, placed inside a classroom, for a few days. What can we conclude from the above experiment?

- (1) Plants can be grown in bottles.
- (2) Plants need water to survive and grow.
- (3) Water in the bottle dries up after 2 days.
- (4) Plants grow upwards towards the sunlight. ()

12. Which of the following diagram shows the correct stage in the life cycle of a mosquito, after the eggs are hatched?



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13. _____ refers to an animal shedding its old skin and growing a new one.

- (1) Splitting
- (2) Hatching
- (3) Moulting
- (4) Fertilisation

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14. Cotton, latex and silk are materials that come from _____.

- (1) plants
- (2) animals
- (3) things that were once alive
- (4) things that were never alive

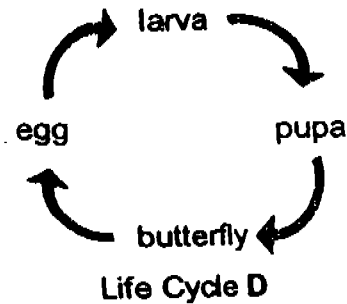
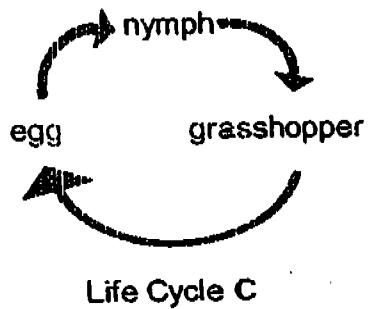
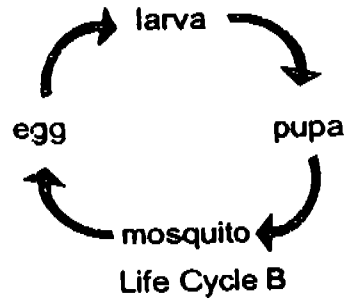
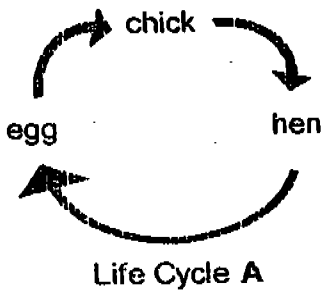
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15. An object can be made from different materials. Study the table below and identify which is incorrect.

	Object	Material
(1)	cup	glass or plastic
(2)	chair	wood or metal
(3)	fork	metal or plastic
(4)	towel	fabric or rubber

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16. Study the life cycles below.



Life Cycle B is different from the rest because _____.

- (1) its young is hatched from eggs
- (2) it has four stages instead of three
- (3) all of its life cycle is spent on land
- (4) part of its life cycle is spent in water

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17. We can use an iron nail to scratch a piece of wood. This experiment tells us that metal is _____ than wood.

- (1) softer
- (2) lighter
- (3) harder
- (4) more flexible

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18. Mrs Tan bought a stainless steel frying pan because steel is _____.

- (1) shiny
- (2) flexible
- (3) waterproof
- (4) hard and strong

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19. The table below shows some materials and the objects that can be used to make them. Which one of them is not correct?

	Material	Object
(1)	rubber	cooking utensil
(2)	steel	car
(3)	wood	toothpick
(4)	clay	flowerpot

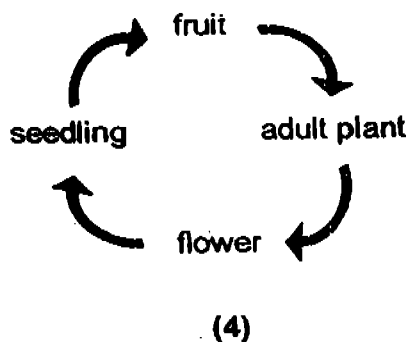
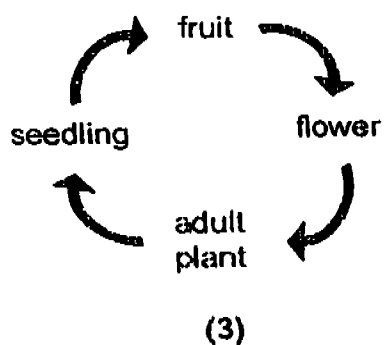
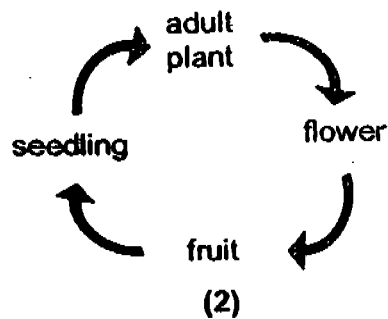
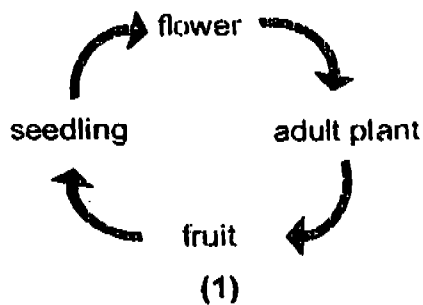
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20. Which of the following characteristics is not possible for a mother to pass on to her daughter?

- (1) Colour of hair
- (2) Length of hair
- (3) Shape of ears
- (4) Colour of eyes

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21. Which one of the following life cycles shows correctly the stages of development of a plant that bears flowers and fruits.



22. The materials used for making buildings are _____.

- A - clay
- B - sand
- C - bricks
- D - stones

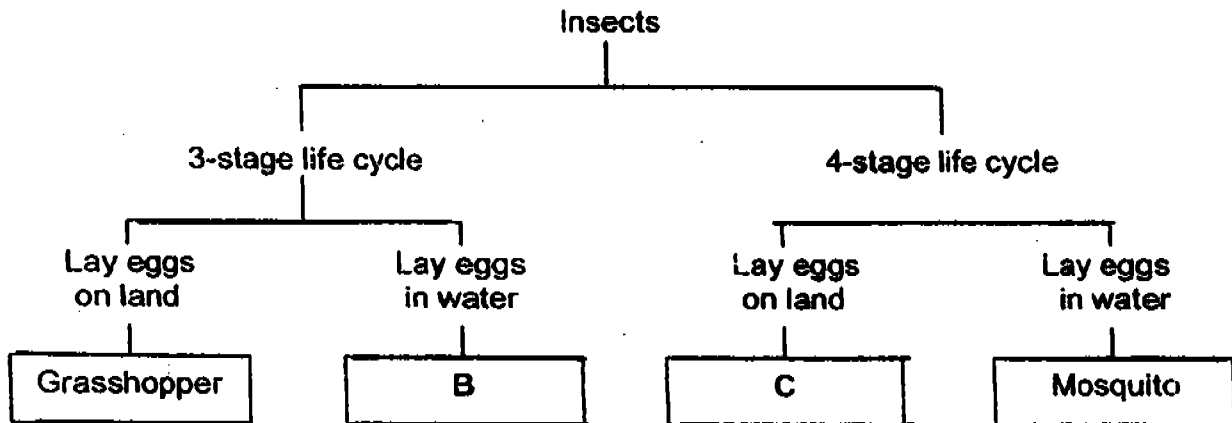
- (1) A only
- (2) A and B only
- (3) B and C only
- (4) A, B, C and D

23. A _____ is light, able to float and cannot absorb water.

- (1) metal fork
- (2) silk blouse
- (3) plastic spoon
- (4) piece of paper

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24. Study the classification table below.



What are B and C likely to be?

	B	C
(1)	Toad	Chicken
(2)	Guppy	Ant
(3)	Frog	Butterfly
(4)	Dragonfly	Cockroach

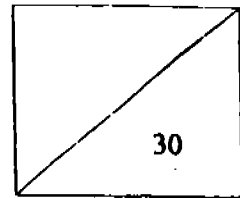
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25. A stone can be used to break a glass. What does this say about the stone?

- (1) It is hard.
- (2) It is brittle.
- (3) It is flexible.
- (4) It is transparent.

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Name : _____ ()



Section B

Answer all the questions below.

26. The following pictures show the stages in the life cycle of a beetle. Arrange the letters (A, B, C and D) to show the correct order. Write the letters in the boxes provided. The first one has been done for you.



A



B

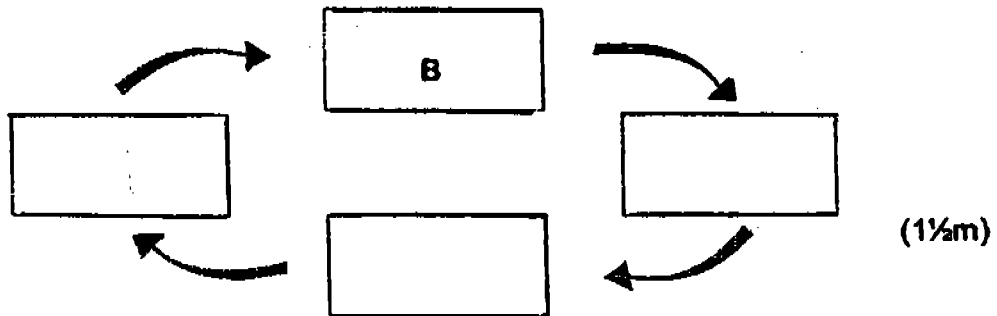


C



D

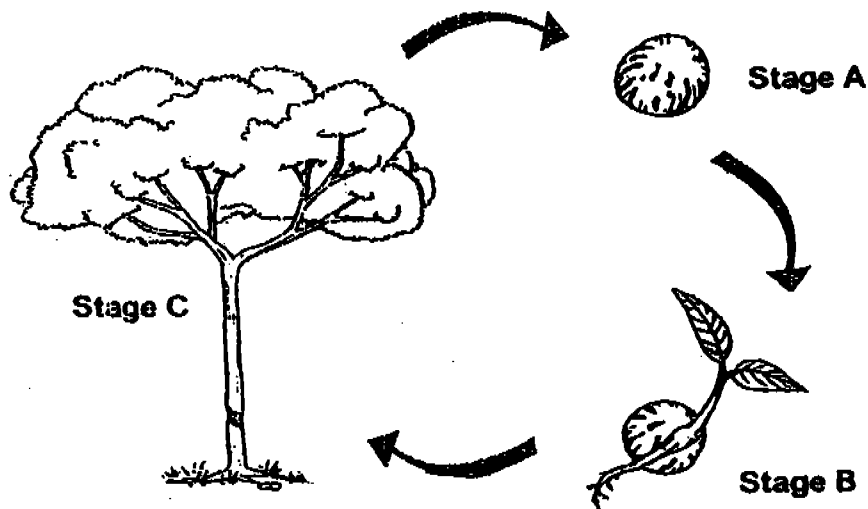
a)



b) Which other animal has a similar life cycle as the beetle? Explain. (2m)

c) Name the stage of the life cycle of C. (1m)

27. The pictures below show the different stages of 'the growth a plant.'



a) Name the stages A, B and C.

A : _____

B : _____

C : _____

(3m)

b) What grows out from the seed first?

(1m)

c) Where does the seedling get its food before the shoot appears?

(1m)

d) At which stage can the plant start to make its own food?

(1m)

28. Write 'True' or 'False' in each of the boxes below.

(3½m)

a) Susan has the same thumbprints as her sister because they are twins.

b) The young of living things grow up to resemble their parents.

c) Some characteristics of living things can be passed on to their young.

d) A daughter inherits her features only from her mother while a son inherits his features only from his father.

e) Samuel has his father's look, so he behaves exactly like him.

f) Everybody can roll their tongues if they practice hard enough.

g) People of different races have different skin colour.

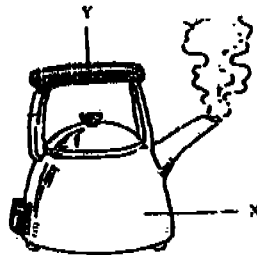
29. Martin conducted a test on some materials X, Y and Z and recorded the results in the table below.

Properties	X	Y	Z
light	Yes	Yes	No
flexible	Yes	Yes	No
waterproof	No	Yes	Yes
tears easily	Yes	No	No

a) Which is the most suitable material for making the cover of a camping tent? Why? (2m)

b) Which is the most suitable material for making a hammer? Why? (2m)

30. The kettle below is made using two materials, plastic and metal.



a) Which part is made of plastic and which part is made of metal? (2m)

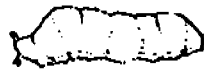
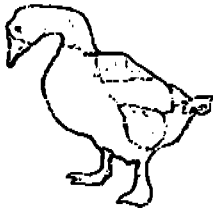
b) What is the purpose of using plastic and metal? (2m)

Plastic:

Metal:

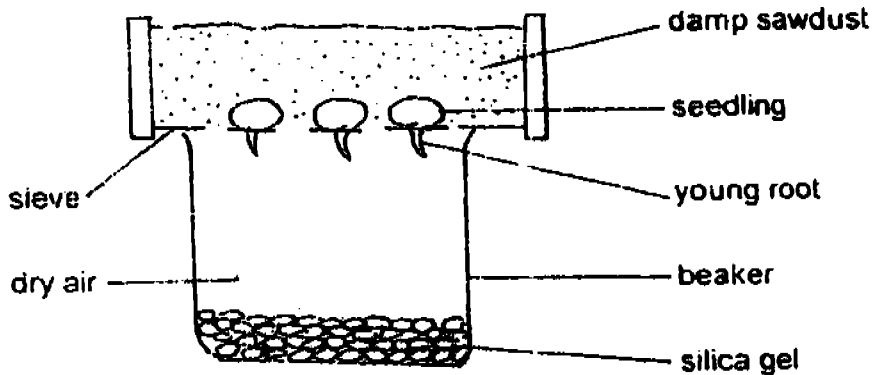
31. Draw lines to match the adult and its young. One has been done for you.

(3½m)



32. Jason placed three seedlings on a wire-gauze base of a sieve and placed the sieve in a beaker which contained dry silica gel.
(Silica gel is a substance that absorbs water or moisture.)

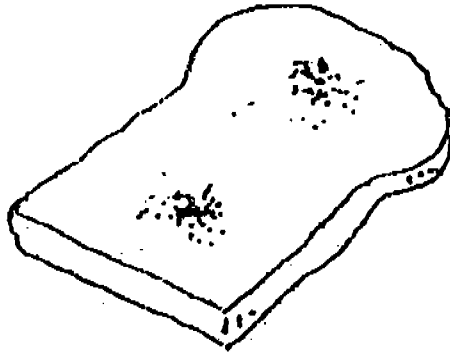
He then covered the seedlings with a layer of damp sawdust and left them to grow in a dark place.



- a) How would the young roots of the seedlings grow after a few days? (1m)

- b) What could Jason conclude from this experiment? (1m)

33. A slice of bread was left on a table for a few days.



a) What is the living thing growing on the bread?

(1m)

b) How does this living thing reproduce? Does it grow better in 'bright and dry' or 'dark and damp' environment?

(1½m)

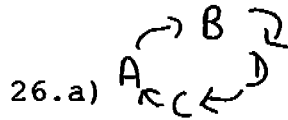
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Check your work.

NAN HUA PIMARY SCHOOL
PRIMARY 3 SCIENCE 2005
SEMESTRAL ASSESSMENT 1

ANSWER SHEETS

- 1. 4
- 2. 1
- 3. 4
- 4. 2
- 5. 2
- 6. 4
- 7. 1
- 8. 1
- 9. 3
- 10. 1
- 11. 2
- 12. 4
- 13. 3
- 14. 3
- 15. 4
- 16. 4
- 17. 3
- 18. 4
- 19. 1
- 20. 2
- 21. 2
- 22. 4
- 23. 3
- 24. 3
- 25. 1

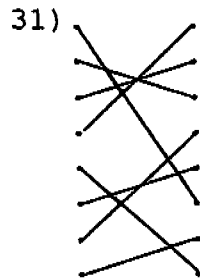


- 26.a) b)A butterfly.A butterfly has a pupa stage just like the beetle.
c)pupa stage.
- 27.a)A:seed B:seedling C:tree
b)The root grows out from the seed first.
c)It gets it food from the seed leaf.
d)It starts to make its own food at stage B.

28.a)F b)T c)T d)F e)F f)F g)T

- 29.a)It is light,flexible,waterproof and does not tear easily.
b)It is heavy strong and not flexible.

- 30.a)Park Y is made of plastic.Part X is made of metal.
b)It is a good conductor of heat.



- 32.a)the roots grow to wards the damp sawdust
b)He could conclude that seedling need water to survive.

- 33.a)It is bread mould.
b)It reproduces by spores.It grow better in dark and damp environment.