

NAME : \_\_\_\_\_

CLASS : \_\_\_\_\_

# SCIENCE PI 2010

Answer all questions. Choose the correct answer and write the letter (A, B, C or D) in the answer box.

1. Which one of the following is our main source of energy?

- A. Candle.
- B. Moon.
- C. Electric bulb.
- D. Sun.

2. Which of the following fish live in the freshwater?

- A. Arowana.
- B. Clownfish.
- C. Seahorse.
- D. Stingray.

3. Which one of the following is insoluble in water?

- A. Salts.
- B. Sand.
- C. Sugar.
- D. Soap.

4. Which of the following food have a lot of calcium?

- A. Beef, butter and cheese.
- B. Fish, milk and rice.
- C. Milk, egg and cheese.
- D. Liver, papaya and rice.

5. All of the following are essential for plants to make food by photosynthesis **except** \_\_\_\_\_.

- A. carbon dioxide.
- B. oxygen.
- C. sunlight.
- D. water.

6. Everything that surrounds an organism is called the \_\_\_\_\_.

- A. environment.
- B. house.
- C. nest.
- D. resources.

7. Which of the following is an example of a liquid changing into gas?

- A. A bar of chocolate melts.
- B. Boiling tea.
- C. Keeping chicken in the freezer.
- D. Water droplets forming on leaves.

8. All the objects in Figure 1 are made of \_\_\_\_\_.

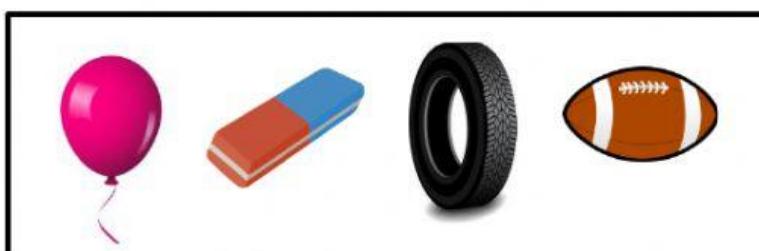


Figure 1

- A. ceramics.
- B. metals.
- C. rubber.
- D. wood.

9. Figure 2 shows the water cycle.

			
Water fills lakes and rivers	Water evaporates	Rain	Cloud formation
P	Q	R	S

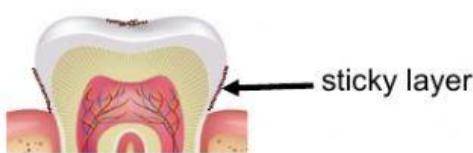
Figure 2

Which of the arrangement below shows proper sequence of the water cycle?

- A. P, Q, R, S.
- B. Q, P, R, S.
- C. Q, S, R, P.
- D. R, S, Q, P.

10. Small bits of food that get stuck between our teeth will mix with germs to form a sticky layer as shown in Figure 3. What is the name of this sticky layer?

- A. Crown.
- B. Enamel.
- C. Gums.
- D. Plaque.



11. Name the young of the animal labelled Y in Figure 4.

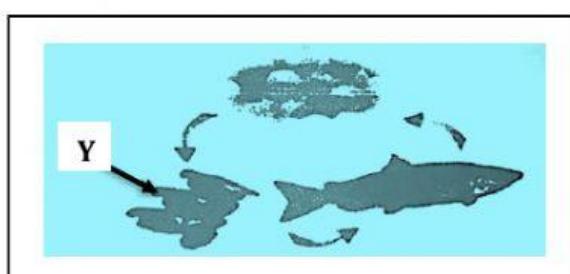


Figure 4

- A. Caterpillar.
- B. Fry.
- C. Nymph.
- D. Tadpole.

12. A prism can be used to split the white light into different colours as shown in Figure 5. What are the colours?

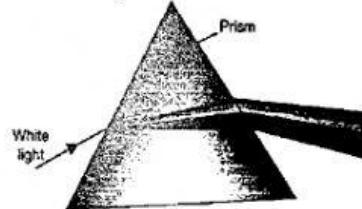


Figure 5

- A. Blue, red and yellow.
- B. Purple, pink, green, black and white.
- C. Red, orange, yellow, green, blue, indigo and violet.
- D. Red, orange, yellow, green, black, indigo and violet.

13. Where can we find a magnet in our home appliances from the diagram in Figure 6?

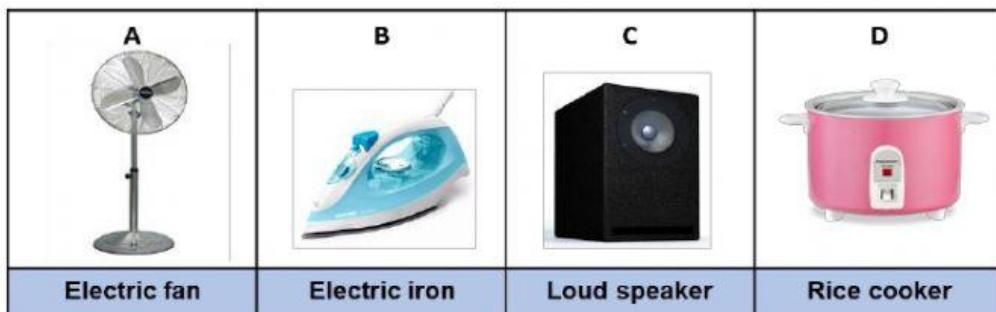


Figure 6

14. Which of the following classification is correct?

	Trees	Herbs	Shrubs	Fungi
A	Fig	Lily	Cordyline	Toadstool
B	Lantana	Rose	Chilli	Fern
C	Jackfruit	Cordyline	Rose	Moss
D	Pong-pong	Balsam	Toadstool	Puffball

15. Which order is correct in Figure 7?

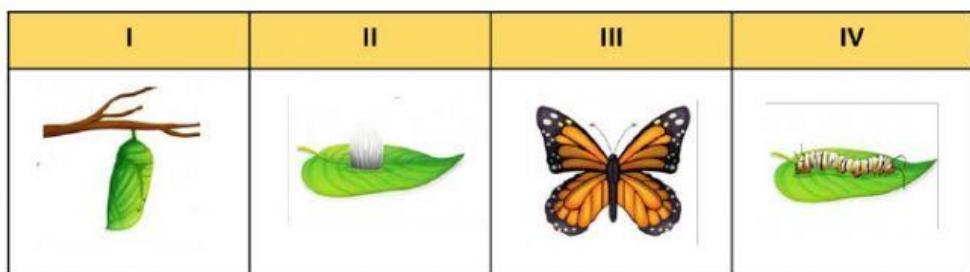
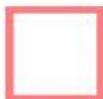


Figure 7

- A. I, II, III and IV.
- B. II, I, IV and III.
- C. III, IV, I and II.
- D. II, IV, I and III.



16. Study the symbols in Figure 8.

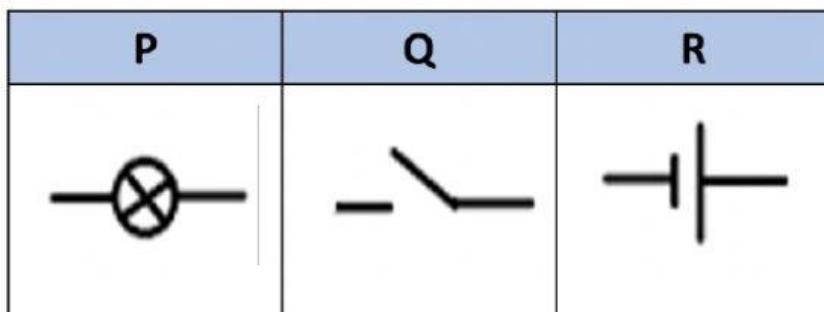
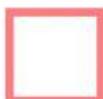


Figure 8

What do the symbols P, Q and R represent?

	P	Q	R
A.	Bulb	Cell	Switch
B.	Bulb	Switch	Cell
C.	Cell	Switch	Bulb
D.	Wire	Switch	Cell



17. Look at the bulb in Figure 9. Which part(s) of the bulb must the wires be connected so that the bulb will light up?

- A. X and Y.
- B. X and Z.
- C. Y and Z.
- D. Y only.

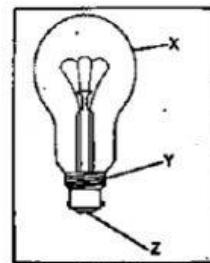


Figure 9

18. Study Figure 10.

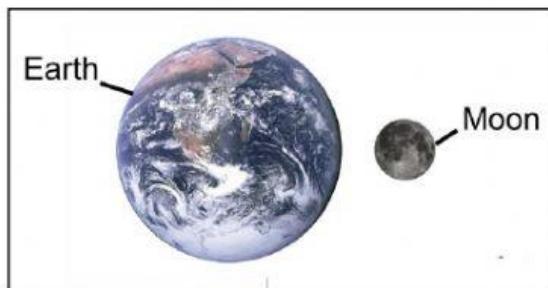


Figure 10

Which of the statement describes the Earth correctly?

- A. The Earth completes a rotation every 356 hours.
- B. The Earth is the fifth planet from the Sun.
- C. The Moon takes about 24 hours to revolve around the Earth.
- D. The Moon takes about 28 days to revolve around the Earth.

19. Which of the following electrical appliances **does not** use a motor in their electrical system?

- A. Electric fan.
- B. Rice cooker.
- C. Vacuum cleaner.
- D. Washing machine.

20. Why do gibbons adapt themselves with long and strong hands?

- A. To enable them to pluck food from trees.
- B. To be able to catch animals for food.
- C. To be able to jump from trees to trees.
- D. To swing and hang on from trees to trees.



Figure 11

21. Mimosa plants shown in Figure 12 close their leaves after being touched. What does this show?

- A. The plants can grow.
- B. The plants can reproduce.
- C. The plants respond to changes.
- D. The plants are very timid plants.



Figure 12

22. Which of the following is not part of the respiratory system?

- A. Intestine.
- B. Lung.
- C. Nose.
- D. Windpipe.

23. Which diagram in Figure 13 shows that light is reflected?

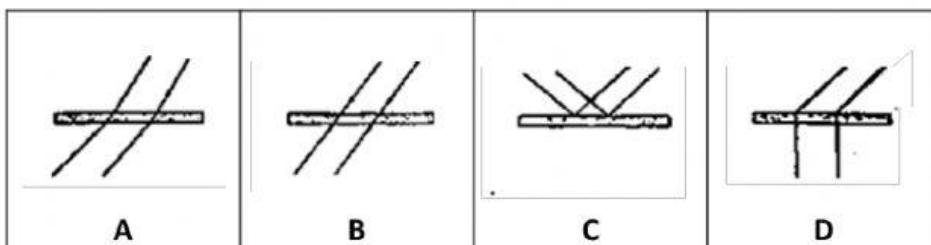


Figure 13

24. Which of the following has objects wrongly grouped?

	Hard	Soft
A.	Marble	Silk
B.	Pebble	Feather
C.	Sponge	Glass
D.	Tile	Plasticine

25. What is Methylamphetamine?

- A. A drug that can be used to help increase blood flow in the body.
- B. A drug that can cause a person to have allergies.
- C. A drug that can harm the brain, liver, kidney and heart.
- D. A liquid that doctors use to clean their hands before surgery.

26. Figure 14 shows Khairul washing his mother's car, while his mother is giving him some advice on how to **conserve** water.



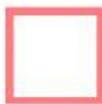
Figure 14

Which statement should Khairul follow to conserve water?

- A. Do not use bucket of water to clean the car.
- B. Use a bucket of water to clean the car.
- C. Use a hose to clean the car.
- D. Use car shampoo to wash the car.

27. Which statement is **not true** about friction?

- A. Friction acts when two surfaces rub against each other.
- B. Friction is greater on a smooth surface than on a rough surface.
- C. Friction prevents objects from moving.
- D. Friction slows down a moving object.



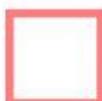
28. Figure 15 shows a group of shellfishes. It is known that this seafood contains germs.



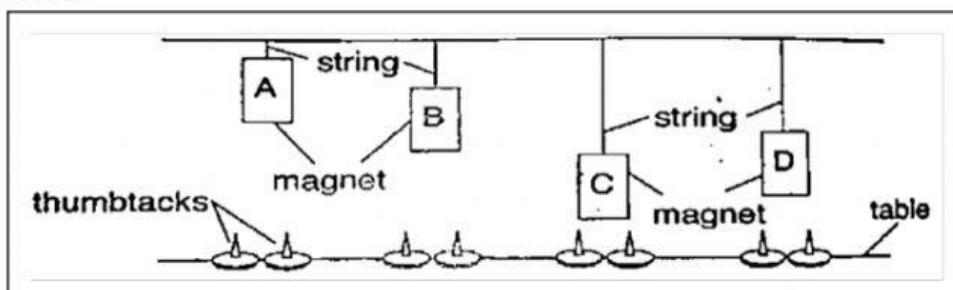
Figure 15

How do we prepare these foods before we eat them?

- A. We should cook them for sometime before we eat.
- B. We should pour disinfectant before eating them.
- C. We should put them in the oven to dry them.
- D. We should wash them with sand and water.

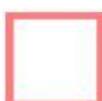


29. Look at Figure 16, Magnets **A**, **B**, **C** and **D** are the same size. Each magnet is able to pick two thumbtacks from the table. Which magnet exerts the weakest force?



30. Why do officers from the Narcotic Control Bureau search people, ships and aircraft when entering our country?

- A. To ensure nobody is infected by Influenza A (H1N1).
- B. To ensure nobody is infected by SARS.
- C. To prevent alcoholic drinks from entering our country.
- D. To prevent harmful drugs from entering our country.



**END OF PAPER**