

Name: _____ Date: _____

Science Paper 1 (2021)

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

1. We can use our sense of _____ to tell if something is hot or cold.

- A. smell
- B. hearing
- C. touch
- D. taste

2. Which property best describes an object that can be bend together without breaking?

- A. Flexible
- B. hard
- C. Strong
- D. Soluble

3. Which of the following properties of the materials shown in Figure 1 is **correct**?



Figure 1

- A. They are soluble in water.
- B. They are transparent to light.
- C. They are attracted to magnet.
- D. They are good conductor of heat.

4. 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.

5. Figure 2 below shows two groups of animals.

Mammal	Fish
Ostrich	Guppy
Goat	Goldfish
Cow	Clown fish
Giraffe	Catfish

Figure 2

Which of the following animal has been wrongly grouped?

- A. Cow
- B. Ostrich
- C. Clown fish
- D. Catfish

6. Raihan turned on an electric appliance. He noticed that electrical energy was converted into useful heat energy. Which appliance did Raihan turn on?

- A. Fan.
- B. Vacuum.
- C. Oven.
- D. Radio.

7. Heat is measure by _____

- A. height.
- B. temperature.
- C. brightness.
- D. weight.

8. The following help conserve wildlife except _____

- A. hunting elephants for their valuable tusks.
- B. setting aside some land as forest reserve so that plants and animals can be thriving there.
- C. releasing young fish back into the sea if they get caught accidentally.
- D. breeding endangered animals in captivity to let them multiply.

9. Study Figure 10 below

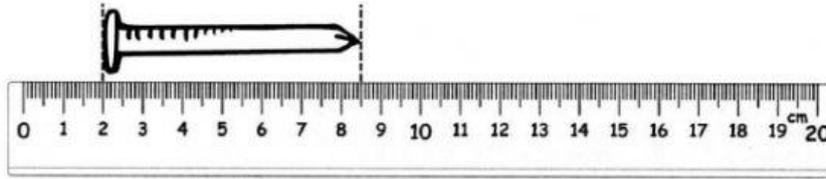


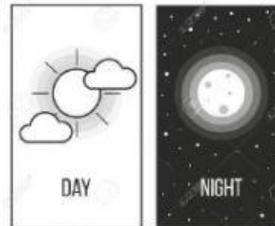
Figure 10

What is the length of the iron nail?

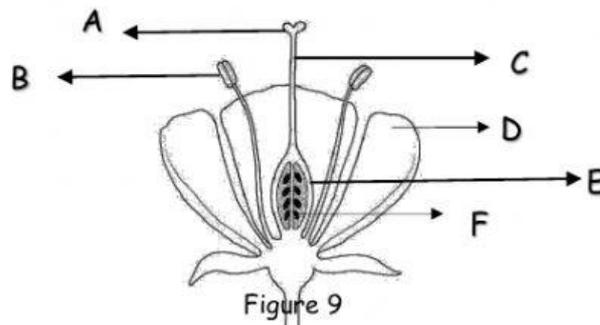
- A. 2.0 cm.
- B. 7.0 cm.
- C. 6.5 cm.
- D. 8.5 cm

10. What causes the occurrence of day and night?

- a. The revolution of the Earth around the Sun.
- b. The rotation of the Earth around the Moon
- c. The revolution of the Sun around the Earth.
- d. The rotation of the Earth on its axis.



11. Figure 9 shows parts of a flower.



Which parts of the flower are the female parts?

- A. E and F only.
- B. A and B only
- C. A, B, C and D only.
- D. A, C, E and F only.

12. Look and study the diagram in Figure 3. →

Why did the dragonfly die in the sealed jar after a day?

- A. There is not enough space for it to rest.
- B. There is not enough space for it to fly.
- C. There is not enough light for it to see.
- D. There is not enough air for it to breathe.



Figure 3

13. What is the energy conversion that takes places as Abdul claps his hands?



- A. Movement Energy → Stored energy
- B. Movement Energy → Sound Energy
- C. Stored Energy → Movement Energy
- D. Stored Energy → Sound Energy



14. A bar magnet is shown hung freely from a retort stand in Figure 4.

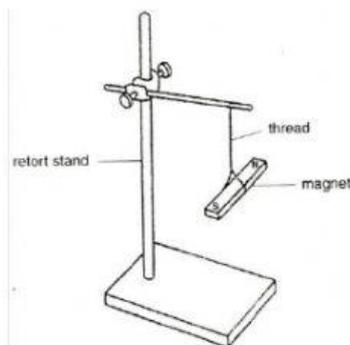


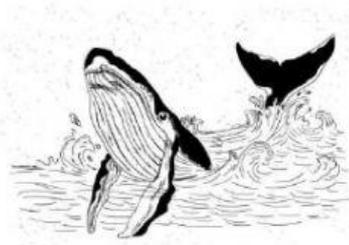
Figure 4

Which direction will the magnet always point to?

- A. North-south direction
- B. North-west direction
- C. South-east direction
- D. South-west direction



15. Whales and dolphins can detect sounds in water. This is because _____.



- A. Sound is produced when things vibrate.
- B. Sound can travel through liquids.
- C. Whales and dolphins are sensitive to sound.
- D. Sound is getting louder in water.

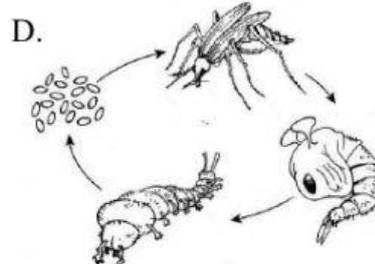
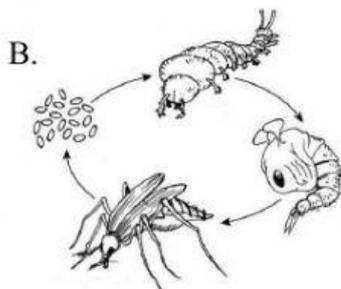
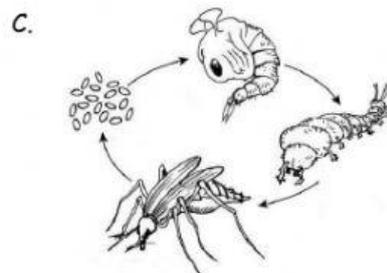
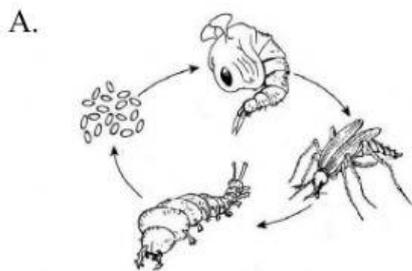
16. What is the function of the electrical components shown in Figure 5 below?



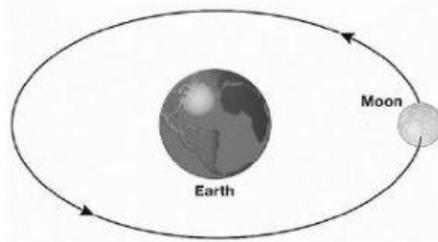
Figure 5

- A. To turn on or turn off the circuit.
- B. To turn on or turn of the bulb.
- C. To turn on the circuit.
- D. To turn off the circuit.

17. Which of the following shows the correct stages in the life cycle of a mosquito?



18. How long does it take for the Moon to revolve around the Earth?



- A. $365 \frac{1}{4}$ days.
- B. 24 hours.
- C. 28 days.
- D. 7 days.



19. Azmi placed a measuring cylinder filled with water outside his house as shown in Figure 6 below. After three days, she observed that the water level has decreased.

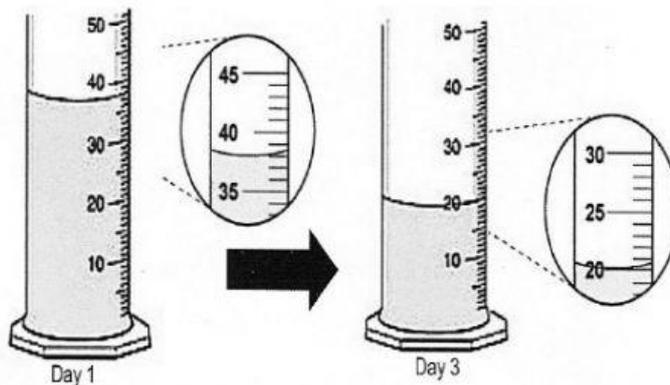


Figure 6

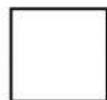
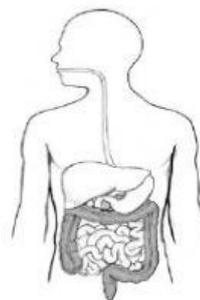
What is the **difference** in the volume of water?

- A. 15 ml.
- B. 18 ml.
- C. 20 ml.
- D. 28 ml.



20. Digestion is completed in the _____

- A. Gullet.
- B. Small intestine.
- C. Stomach.
- D. Large intestine



21. Why do we need to finish antibiotics as prescribed by doctor?

- E. To make sure the bacteria is still alive.
- F. To make sure all bacteria is killed.
- G. To make sure the virus is killed.
- H. To make sure you did not waste the antibiotics.



22. Which of the following statement describe the best way to conserve water?

- A. Brushing teeth with running water.
- B. Use washing machine for one cloth.
- C. Use a bucket of water to wash a car.
- D. Do not report any dripping tap.

23. Fahmi used the handkerchief of infected person and got a disease in his eyes.

How was the disease spread to him?

- A. Spread by air.
- B. Spread through food and water.
- C. Spread by animals.
- D. Spread by physical contact.

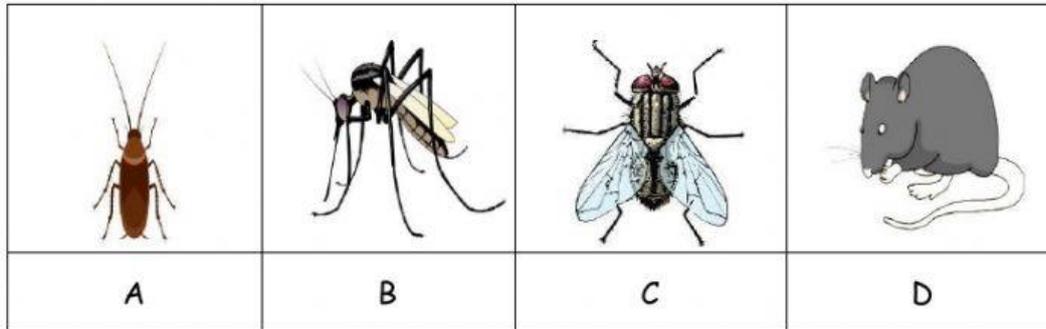


24. What is the name of the addictive drug found in cigarette smoke?

- A. Tar.
- B. Carbon monoxide.
- C. Nicotine.
- D. Paracetamol.



25. Which of the animals below carries germs and spreads the disease called dengue?



26. What are the 3Rs?

- A. Refuse, Reduce, Recycle
- B. Reduce, Reuse, Recycle
- C. Refuse, Reuse, Recycle
- D. Redo, Redeem, Reuse



27. Figure 7 shows a way of cleaning the spaces between the teeth and under the gums using

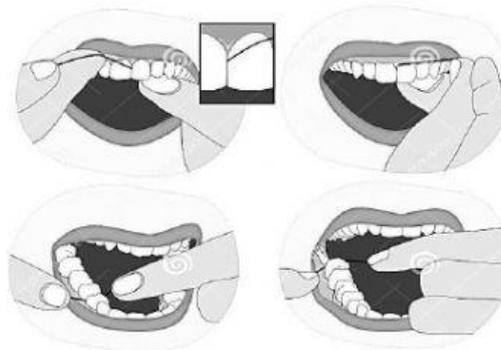


Figure 7

- A. Toothpaste
- B. Copper wire.
- C. Toothbrush.
- D. Dental floss.

28. Figure 8 shows a porcupine. How does it usually protect itself from being eaten?

- A. It has sharp teeth to bite bigger animals.
- B. It has sharp spines covering its body.
- C. It has a tail for swinging on trees.
- D. It has long legs for running away.



Figure 8

29. How are shadows are formed?

- A. They are formed when an object reflects light.
- B. They are formed because there is no light source.
- C. They are formed when the path of light is blocked.
- D. They are formed when an object allows light to pass through it.



30. Which of the following meals should you choose in order to have a more balanced diet in Table 1?

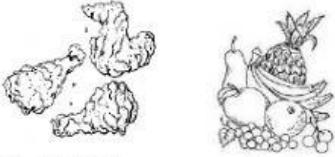
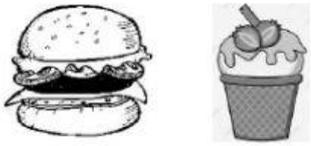
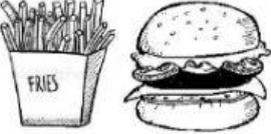
Meal	Breakfast	Lunch	Dinner
A	 Coffee Chocolate cake	 Fried noodle Vegetables	 Fried chicken Fruits
B	 Fried Rice Bubble Tea	 Fried chicken, fruits, chocolate cake	 Beef burger, strawberry ice- cream
C	 Egg, toast bread, milk	 Rice with fish fillet, fruits, vegetables	 Fried rice with chicken, fruits, vegetables
D	 Orange juice, chocolate chip cookies	 French fries, beef burger	 Fried rice with chicken, fruits

Table 1