

SCREENING TEST (SECTION A)

Science

NAME: _____

YEAR: 7 _____

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

1. Which of the following are both **non-magnetic**?

- A. Glass and cotton.
- B. Glass and steel scissors.
- C. Glass and iron pins.
- D. Glass and metal clips.

2. **Bacteria** are micro-organisms that can be found _____

- A. in soil and water.
- B. in soil and air.
- C. in water and soil.
- D. in water, soil and air.

3. Animals can be classified into two main groups;

- A. Plants and animals.
- B. Animals with a backbone and animals without a backbone.
- C. Mammals and reptiles.
- D. Fish and birds.

4. A material which **do not** allow light to pass through is _____.

- A. Opaque
- B. Transparent
- C. opaque and transparent
- D. Flexible

5. Animals have **special characteristics** that help them to live in their habitat. These characteristics are called _____.

- A. habitat.
- B. conduction.
- C. environment.
- D. Adaptations

6. Observe the objects below carefully.

1.



Lighted candle

2.

A lighted bulb

3.



Sun

4.



Non-lighted bulb

Which of the above objects are sources of light?

- A. 1, 2 and 3
- B. 1, 2 and 4
- C. 1, 3 and 4
- D. 1 and 3

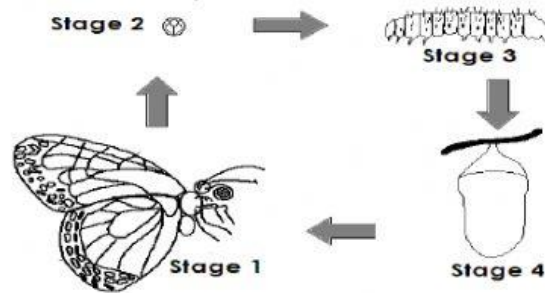
7. When light falls on an opaque object, light is blocked and a _____ is formed.

- A. Light
- B. Heat
- C. shadow
- D. magnet

8. _____ produce sound.

- A. Vibrations
- B. Adaptations
- C. Translucent
- D. Transparent

9. The diagram below shows the life cycle of an animal. What is **Stage 1**, **2**, **3** and **4**?



- | | Stage 1 | Stage 2 | Stage 3 | Stage 4 | |
|----|-----------|---------|-------------|-------------|--------------------------|
| A. | Butterfly | Egg | Nymph | Pupa | ☐ |
| B. | Butterfly | Pupa | Egg | Caterpillar | |
| C. | Butterfly | Egg | Caterpillar | Pupa | |
| D. | Butterfly | Pupa | Larva | Egg | |

10. _____ occurs when two surfaces rub against each other.

- A. Conduction
B. Friction
C. Lightning
D. Flexible

☐

11. To **see** micro organisms, we need to use a _____.

- A. heat.
B. microwave.
C. microscope
D. Fungi.

☐

12. Which of the animals below is a **micro-organism**?

- A. Daphnia.
B. Snake.
C. Fungi.
D. Sound

☐

13. A _____ can be found in **shallow, warm water in the sea**.

- A. Tropical rainforest habitat
B. Tropical coral reef habitat
C. Pond habitat
D. Field habitat

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14. **Sound** energy can travel through _____

- A. solid and liquid only.
B. solid and gases only.
C. solid, liquid and gases.
D. liquid and gases only.

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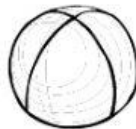
15. Observe the objects below carefully.

1.



Glass bottle

2.



Clear plastic ball

3.



Flower vase

4.



Test tube

Which of the above objects are **transparent**?

- A. 1, 2 and 3
- B. 1, 2 and 4
- C. 1 and 4
- D. 1 and 3

16. Basically, living things can be divided into **4 large groups**;

- A. Bacteria, fungi, plants and animals.
- B. Bacteria, fungi, plants and mammals.
- C. Bacteria, plants and animals.
- D. Bacteria, fungi and animals.

17. _____ are the only animals that have a body covered with feathers.

- A. Mammals
- B. Reptiles
- C. Birds
- D. Amphibians

18. _____ are animals that can live **both** on land and in water.

- A. Bacteria
- B. Fish
- C. Birds
- D. Amphibians

19. Look at the animals below:

1.



2.



3.



4.



Which of the animals above **lay eggs**?

- A. 1, 2 and 3
- B. 1, 3 and 4
- C. 1, 2 and 4
- D. 1, 2, 3 and 4

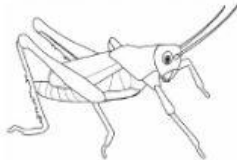
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20. Which one of the materials below will **sink** in water?

- A. Feather
- B. Balloon
- C. Paper
- D. Iron nail

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21. Identify the animal below.

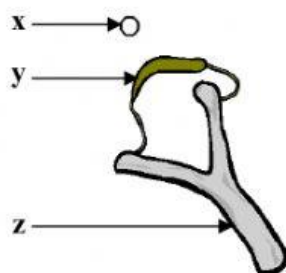


It belongs to the group _____

- A. Amphibian
- B. Insect
- C. Reptile
- D. Fish

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22. The diagram below shows a sling shot. What is the **property** of each part marked x, y and z ?



	x	y	z
A.	hard	flexible	soft
B.	hard	magnetic	flexible
C.	hard	flexible	hard
D.	hard	magnetic	flexible



23. The flow of heat through a solid is called _____

- A. conduction.
B. magnetism.
C. transparency.
D. texture.

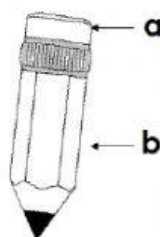


24. Which one of the following animal below **does not** belong to the insect group?

- A. Spider
B. Ladybug
C. Praying mantis
D. Butterfly



25. Look at the pencil below:



The part marked **a** and **b** above is usually made from:

	a	b
A.	Glass	Paper
B.	Paper	Wood
C.	Rubber	Paper
D.	Rubber	Wood



26. A force is a _____.

- A. push only.
- B. pull only.
- C. push or a pull.
- D. push or a press.

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27. When Majid jumps up into the air, _____ pulls him down again.

- A. soil
- B. grass
- C. magnets
- D. gravity

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28. The force of attraction is called _____.

- A. Gravitational force.
- B. Magnetic force.
- C. Frictional force.
- D. Elastic force.

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29. Sound **cannot** travel through _____.

- A. Air
- B. Solid
- C. Liquid
- D. Vacuum

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30. Plants have two main systems, they are;

- A. The root and leaf system.
- B. The root and stem system.
- C. The root and shoot system.
- D. The root and soil system.

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(30 marks)

TOTAL MARKS	30
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