

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

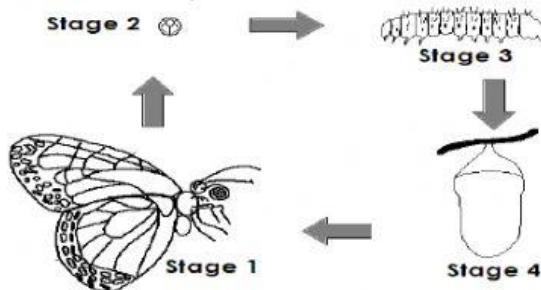
7. When light falls on an opaque object, light is blocked and a _____ is formed.

- 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

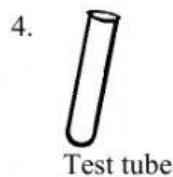
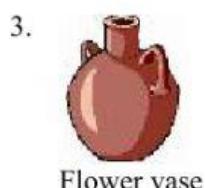
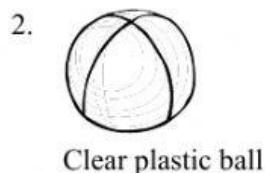
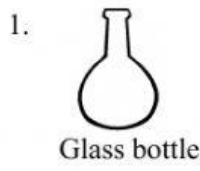
13. A _____ can be found in **shallow, warm water in the sea**.

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

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.

15. Observe the objects below carefully.



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.

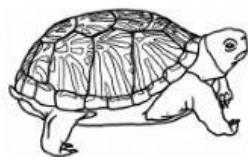
- A. Mammals
- B. Reptiles
- C. Birds
- D. Amphibians

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:

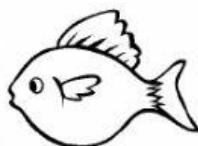
1.



2.



3.



4.



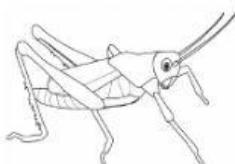
Which of the animals above **lay eggs**?

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

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

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

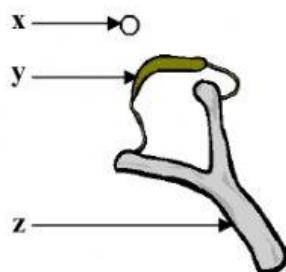
21. Identify the animal below.



It belongs to the group _____

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

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

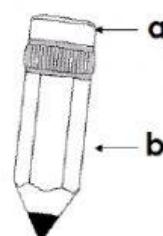
23. The flow of heat through a solid is called _____

- 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.

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

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

28. The force of attraction is called _____.

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

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

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

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.

(30 marks)

TOTAL MARKS	30
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