



India's Number 1 Education App

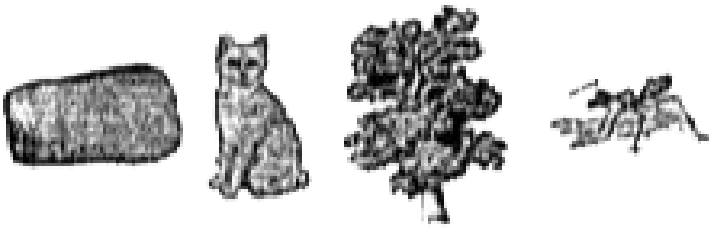


BIOLOGY

BOOKS - BETOPPERS

LIFE ON EARTH

Formative Worksheet



1.

Which of the following things is non living?

A. Spruces

B. Rocks

C. Cats

D. Ants

Answer:



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2. Which of the following statements is correct?

A. All these things possess mass, shape and occupy space.

B. Both the living and the non-living things have a structural unit - cells in the living and molecules in the non-living things.

C. Cells do not exist in non-living things.

D. All the above

Answer:



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3. Which of the following is a unicellular organism?

A. Amoeba

B. Mango plant

C. Dog

D. Cow

Answer:



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4. Which of the following is a multicellular organism?

A. Yeast

B. Bacteria

C. Amoeba

D. Rose plant

Answer:



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5. The structural and functional unit of organisms is

A. Cell

B. Tissue

C. Organ

D. All

Answer:



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6. Plants prepare their own food by the process of

- A. Respiration
- B. Excretion
- C. Photosynthesis
- D. Chemosynthesis

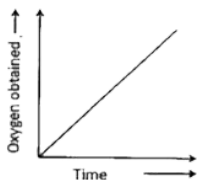
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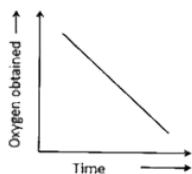
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7. In plants, the exchange of gases takes place through the stomata. During day time, they take up carbon dioxide and release oxygen for photosynthesis while during night time, the process gets reversed. Which of the following graphs correctly represents the effect of the duration for which stomata remain open on the amount of oxygen taken in?

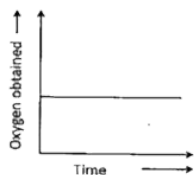
A.



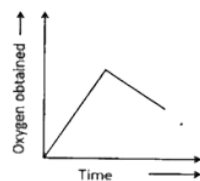
B.



C.



D.



Answer:



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8. Autotrophs are

A. Plants

B. Animals

C. Both

D. None

Answer:



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9. Heterotrophs are

A. Plants

B. Animals

C. Both

D. None

Answer:



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10. Fishes taking in the oxygen dissolved in water through their gills illustrates the process of

A. Growth

B. Reproduction

C. Respiration

D. Excretion

Answer:



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11. The process of chicks becoming adult hen illustrates the phenomenon of

A. Growth

B. Respiration

C. Movement

D. Reproduction

Answer:



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12. All living things exhibit growth. Which of the following examples illustrates the process of growth?

A. Closing of the leaves of touch me not plant on being touched

B. Breathing of air by earthworms through skin

C. Chicks becoming adult hen

D. Production of seeds by plants

Answer:



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13. Living organisms exhibit characters like growth and reproduction. An increase in the size and weight of an organism occurs because of

A. Growth

B. Survival

C. Reproduction

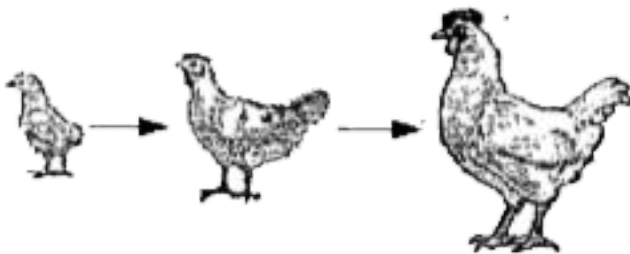
D. Division

Answer:



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14. The given diagram represents changes that take place in the body of a chick after it emerges from the



The process illustrated in the given diagram is called

A. Growth

B. Excretion

C. Respiration

D. Movement

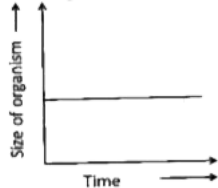
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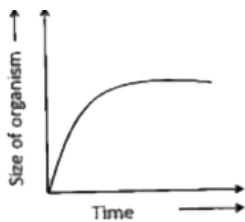
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15. Which of the-given graphs correctly represents growth in living organisms?

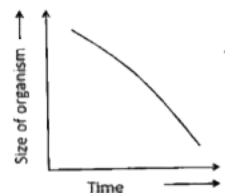
A.



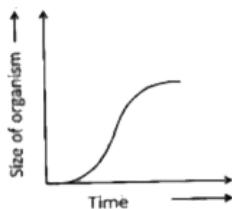
B.



C.



D.



Answer:



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16. All living things grow. A chick grows into a small chicken which grows to become an adult hen.



Which of the following things can grow?



A.



B.

C.



D.



Answer:



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17. All living things reproduce, i.e., they give rise to young ones. Which of the following figures is that of a non-living thing?

A.



B.



C.



D.



Answer:



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18. What of the given animals is incorrectly matched with its young one?



Answer:



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19. Which of the following removes waste material from the body?

A. Nutrition

B. Respiration

C. Excretion

D. Reproduction

Answer:



20. Plants excretes

- A. Water vapour
- B. Carbon dioxide
- C. Both
- D. None

Answer:



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21. The process of a cow giving birth to a calf illustrates

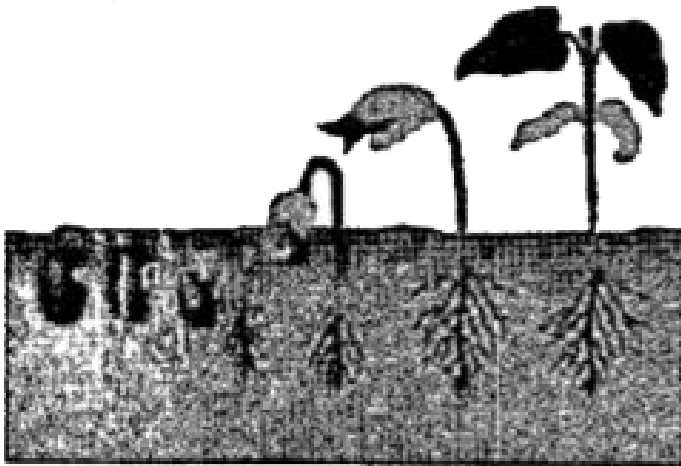
- A. Respiration
- B. Excretion
- C. Reproduction
- D. Growth

Answer:



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22. The given figure illustrates seed germination.



The given figure represents which of the following characteristics of living things?

A. Excretion

B. Movement

C. Nutrition

D. Reproduction

Answer:



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23. A seed germinating into a new plant is an example of _____

The information in which alternative completes the given statements?

A. respiration

B. growth

C. movement

D. reproduction

Answer:



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24. Fishes taking up dissolved oxygen present in water through gills is an example of _____.

The information in which alternative completes the given statements?

A. growth

B. movement

C. reproduction

D. respiration

Answer:



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25. Every day you see, the animals, birds and insects moving from one place to another. Such a movement is called

A. Respiration

B. Excretion

C. Reproduction

D. Locomotion

Answer:



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26. Most of the plants do not show

A. Respiration

B. Reproduction

C. Excretion

D. Locomotion

Answer:



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27. Which of the following plants moves from one place to another?

A. Rose

B. Pea

C. Jasmine

D. Chlamydomonas

Answer:



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28. Which of the following animals does not move from one place to another?

A. Sponges

B. Corals

C. Sea-anemones

D. All

Answer:



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29. All living things respond to stimuli. Which of the following examples illustrates response to stimuli?

A. Sparrow laying eggs

B. Child growing into an adult

C. Earthworm breathing through its skin

D. Cockroaches moving to dark places to
escape light

Answer:



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30. The closing of the flowers of some plants after sunset illustrates

- A. Growth
- B. Reproduction
- C. Respiration
- D. Response to stimuli

Answer:



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31. All living organisms respond to various stimuli. Which of the following examples illustrates the process of responding to stimuli by living organisms?

A. A chick hatching from the egg and growing into a hen

B. A bean seed germinating to give rise to a new plant

C. A fish breathing in dissolved oxygen from the water through gills

D. A cockroach running towards a hiding place when see light is switched on

Answer:



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32. The life cycle of living things start with

A. A cell

B. A tissue

C. An organ

D. All

Answer:



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33. In animals the life cycle consists of

A. Birth

B. Growth

C. Reproduction

D. Death

Answer:



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34. The life span of bacteria is about

A. 20 seconds

B. 20 minutes

C. 20 hours

D. 20 days

Answer:



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35. The life span of tortoise is about

- A. 100 min
- B. 150 hours
- C. 120 days
- D. 130 years

Answer:



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36. The study of living things or life is called

A. Botany

B. Zoology

C. Biology

D. Science

Answer:



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37. Aspergillus is

A. A fungi

B. An alga

C. A bacteria

D. A virus

Answer:



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38. Which of the following belongs to plants?

A. Bacteria

B. Fungi

C. Algae

D. All

Answer:



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39. Animals lack

A. Cells

B. Tissues

C. Organs

D. Chlorophyll

Answer:



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40. Plants prepare their own food material due to the presence

A. Cells

B. Tissues

C. Organs

D. Chlorophyll

Answer:



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41. Nutrition in plants is

- A. Autotrophic
- B. Heterotrophic
- C. Saprophytic
- D. None

Answer:



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42. Nutrition in animals is

A. Autotrophic

B. Heterotrophic

C. Saprophytic

D. None

Answer:



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43. Living organisms display several forms of movement. Muscle fibers, muscle joints, webbed feet, wings, fins, feathers, muscles etc.

assist in several forms of movement. Which of the following statements holds true for movements?

- A. Only animals move
- B. Only plants move
- C. Plants do not move
- D. Both plants and animals move

Answer:



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Conceptive Worksheet

1. List out the common feature of living and non living things.

A.

B.

C.

D.

Answer:



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2. Living things are both unicellular and multicellular. Name some unicellular and multicellular organisms.



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3. For preparing their food, plants also require carbon dioxide. How is it absorbed from atmosphere?



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4. What are the raw materials required by the plants for photosynthesis?



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5. Differentiate autotrophic nutrition and heterotrophic nutrition.



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6. Define the following terms.

(i) Phototrophic

(ii) Geotrophic



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7. What happens during growth in non living things and living things.



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8. Which of the following shows reproduction?

A. Cat

B. Mango tree

C. Rose plant

D. Stone

Answer: A::B



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9. How can you distinguish between the life cycle and life span of a living thing?



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10. Write the differences between living things and non living things.



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11. What are micro organisms? List some of them.



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12. How can we see the micro organisms when they are not visible to our naked eye?



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13. Write a note on locomotion of plants.



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14. Write some differences between plants and animals.



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**Summative
Questions**

Worksheet

Multiple

Choice

1. Which one is not a unicellular organism?

A. Bacteria

B. Mushroom

C. Yeast

D. Amoeba

Answer:



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2. A multicellular organism has

A. Many cells

B. No cells

C. Only one cell

D. Both A&B

Answer:



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3. The process of food manufacture by the green plants is called

A. Respiration

B. Growth

C. Photosynthesis

D. Excretion

Answer:



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4. Respiration is a process during which

A. Carbon dioxide is taken in

B. Oxygen is taken in

C. Both oxygen and carbon dioxide are taken in

D. None of the above

Answer:



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5. The process of removal of waste materials from the body is called

A. Respiration

B. Excretion

C. Photosynthesis

D. Nutrition

Answer:



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Summative Worksheet Fill In The Blanks

1. The branch of science dealing with the study of living beings is called_____



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2. Basic unit of life is called_____



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3. An organism made up of a single cell is called_____.



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4. All living organisms are made up of basic unit _____.



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5. All living things breathe in and breathe out _____



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6. An animal which cannot move is _____.



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7. Removal of metabolic wastes from the body is known as _____



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8. The green colour of plants is due to the presence of _____ .



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Summative Worksheet

1. Write true or false in front of the statement given below:

Statement		True/False
(i)	Animal cells possess cell walls.	
(ii)	Growth in plants is unlimited.	
(iii)	Cells can be seen with the naked eye.	



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2. Which of the following are living objects?

Milk, honey, orange, hen's egg, curd.



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3. Name a plant which is not green, and one animal which does not move about freely.



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4. Name one microscopic plant and one microscopic animal.



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5. Which part of leaf takes part in exchange of gases?



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