



BIOLOGY

BOOKS - VGS PUBLICATION-BRILLIANT

RESPIRATION IN ORGANISMS

Exercise

1. Fill in the blanks and give reasons : _____ are the respiratory organs of fish.



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2. Fill in the blanks:

In a cockroach, a network of.....is found.



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3. Fill in the blanks:

.....are found on leaves for the exchange of gases.



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4. The process of gaseous exchange is

A. 1. Respiration

B. 2. Circulation

C. 3. Digestion

D. 4. Inhalation

Answer:



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5. Identify the correct one, give reasons :

Plants respire through

A. Spiracles

B. Lenticels

C. Stomata

D. Alveole

Answer:



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6. Select correct answer and give reasons.

Which of the following animals breathe through their skin and lungs?

A. Fish

B. Frog

C. Snake

D. Earthworm

Answer:



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7. Identify the correct one, give reasons :What will happen when you blow air into the test containing lime water?

- A. Remains same
- B. Turns to blue colour
- C. Turns to milky white
- D. Becomes colourless

Answer:



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8. Identify the correct one, give reasons :

Respiratory organs of cockroach

A. Lungs

B. Gills

C. Lenticels

D. Trachea

Answer:



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9. What is respiration ? How is it different from breathing ?



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10. Frogs breathe through their skin as well as their lungs. Explain.



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11. If you want to know about "Actions of gases in lungs". What questions you would like to

ask?



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12. If you did this experiment of respiration with fruits and dry leaves, what would the result be? Explain.



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13. It is very interesting to watch fish in an aquarium. Make your own bottle aquarium.



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14. Do you find any relationship between plants and animals by their respiration and photosynthesis?



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15. Asif wondered how plants and animals which live under water also respire. Do you know how?





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16. Imagine the lungs and size of an elephant.

Is there any relation between body size and lung size? Collect information from school library or internet.



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17. What is breathing?



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18. What is inspiration and expiration ? Explain the term 'respiration rate'.



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19. What does our breath contain?



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20. How does a fish breath?



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21. Describe how does a frog take its breath.



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22. Explain the breathing process in cockroach.



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23. Describe how does an earthworm breathe.



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24. How do plants respire?



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25. At what time plants respire and photosynthesize ?



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26. What is use of oxygen in hospitals ?



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27. Does the expiration rate increase or decrease after exercises?



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28. What happens to your chest when you take a breath ?



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29. What is the difference between inhaled and exhaled air ?



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30. How long a person can hold his / her breath? How do you find?



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31. How many times do you breathe in a minute?



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32. How much air do you breathe?



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33. How do you find the gases that are present in our breath? Describe the activity you

perform.



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34. How can you find out the respiration in plants by an experiment?



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35. How do you find respiration in sprouted seeds ?



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36. Write a note on the discovery of carbon dioxide.



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37. How is oxygen discovered? Write the history of its discovery.



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38. Do plants respire ?



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39. Select correct answer and give reasons.

The process which involves the exchange of gases is called.

A. Respiration

B. Circulation

C. Digestion

D. Breathing

Answer:



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40. Select correct answer and give reasons.

During inspiration air passes into lungs due to

A. Increased volume of thoracic cavity

B. Fall in pressure inside the lungs

C. Increase in the volume of thoracic cavity

and fall in lung pressure

D. Muscular expansion of lungs

Answer:



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41. Select correct answer and give reasons.

Roots respire through

A. Spiracles

B. Lenticels

C. Stomata

D. Air spaces

Answer:



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42. Select correct answer and give reasons.

Which of the following animals breathe through their skin and lungs?

A. Fish

B. Frog

C. Snake

D. Earthworm

Answer:



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43. Select correct answer and give reasons.

What happens to lime water, when we exhale air into it?

A. Remains same

B. Turns blue

C. Turns milky

D. Becomes colourless

Answer:



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44. Select correct answer and give reasons.

Plants respire through

A. Cells

B. Stomata

C. Gills

D. Cell membrane

Answer:



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45. Select correct answer and give reasons.

The respiratory organs in cockroach are

A. Lungs

B. Gills

C. Lenticels

D. Spiracles

Answer:



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46. The process of breathing in air is called

A. Inspiration

B. Expiration

C. Respiration

D. All the above

Answer:



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47. The process of breathing out air is called

A. Respiration

B. Expiration

C. Breathing

D. None

Answer:



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48. Plants use this gas during respiration

A. Nitrogen

B. Carbondioxide

C. Oxygen

D. All the above

Answer:



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49. The process of breathing in and out is called.

A. Inspiration

B. Expiration

C. Inspiration and expiration

D. None of these

Answer:



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50. Breathing rate is

A. Number of times we breath per minute

B. Number of times we breath per second

C. Number of times we breath per hour

D. Number of times we breath per
10minutes

Answer:



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51. Expiration rate after exercises.

- A. Increase
- B. Decrease
- C. Normal

D. Either increase or decrease

Answer:



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52. Human breathe is misty during.

A. Summer mornings

B. Summer evenings

C. Winter mornings

D. Rainy days

Answer:



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53. Fixed gas is

A. Oxygen

B. Helium

C. Chlorine

D. Carbon dioxide

Answer:



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54. Lime stone reacts with acids give

A. Carbon dioxide

B. Oxygen

C. Helium

D. Chlorine

Answer:



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55. Fixed gas was named by

A. Joseph Black

B. Von Helmont

C. Joseph Priestley

D. Lavoiser

Answer:



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56. Gases were first identified by

A. Von Helmont

B. Joseph Priestley

C. Joseph black

D. Lavoiser

Answer:



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57. Oxygen was named by

A. Von Helmont

B. Joseph Priestley

C. Joseph black

D. Lavoiser

Answer:



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58. He is the first to do experiments and observation on different kinds of air.

A. Von Helmont

B. Joseph Priestley

C. Joseph black

D. Lavoiser

Answer:



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59. Gills are the respiratory organs in

A. Cockroach

B. Butterfly

C. Fish

D. Frog

Answer:



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60. Lime water turns into milky white by

A. Oxygen

B. Carbon dioxide

C. Chlorine

D. Hydrogen

Answer:



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61. Gills are the respiratory organs in

A. Tadpole larvae

B. Frog

C. Cockroach

D. Butterfly

Answer:



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62. Frog respire through.....in summer and winter.

A. Gills

B. Lungs

C. Skin

D. Trachea

Answer:



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63. Small minute openings on the surface of stem are

A. Stomata

B. Spiracles

C. Lenticels

D. Nostrils

Answer:



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64. Small minute openings on either side of cockroach body are

A. Stomata

B. Spiracles

C. Lenticels

D. Nostrils

Answer:



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65. Earthworm respire through

A. Skin

B. Trachea

C. Gills

D. Lungs

Answer:



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66. Tracheal respiration is present in

A. Frog

B. Cockroach

C. Fish

D. Earthworm

Answer:



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67. In the following one cannot be a respiratory organ.

A. Trachea

B. Lungs

C. Skin

D. Heart

Answer:



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68. What are the parts which help in respiration of plants?

A. Stomata

B. Lenticles

C. Both A & B

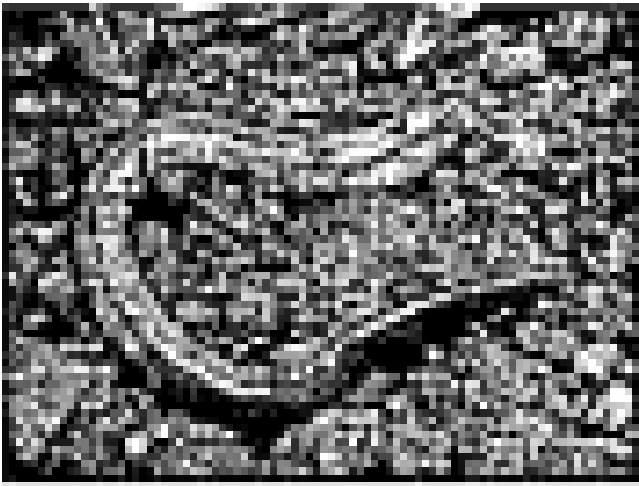
D. Leaves

Answer:



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69. Find out the respiratory organ in this organisms.



A. Lungs

B. Trachea

C. Gills

D. Skin

Answer:





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70. Which gas is very less in quantity in inhaled air?

A. Oxygen

B. Carbondioxide

C. Nitrogen

D. Hydrogen

Answer:



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71. Exhaled air does not contain the following gas.

A. Oxygen

B. Carbondioxide

C. Nitrogen

D. Hydrogen

Answer:



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72. Respiratory organs in frog tadpoles are

A. Lungs

B. Skin

C. Gills

D. Trachea

Answer:



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73. The respiratory organ in frog life history.

A. Skin

B. Lungs

C. Gills

D. All of these

Answer:



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74. It is called fixed gas

A. Oxygen

B. Carbondioxide

C. Hydrogen

D. Nitrogen

Answer:



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75. Gases exchange take place in this process.

- A. Breathing
- B. Circulation
- C. Respiration
- D. Digestion

Answer:



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76. Who conducted the experiments on mint sprig with burning candle?

A. Von Helmont

B. Joseph Black

C. Joseph Priestley

D. Lavoiser

Answer:



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77. Spiracles are the respiratory organs of

A. Fish

B. Frog

C. Cockroach

D. Leech

Answer:



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