

SCIENCE QUESTIONS.

LET'S REVISE TOGETHER.

1. Why is the left ventricle of the heart thicker than the right?
2. Why is sound unable to travel through space?
3. State the function of the placenta in a developing embryo.
4. What would happen if a person has no kidneys?
5. Why do sound waves travel faster in solids than in gases?
6. State one reason why amphibians lay eggs in water.
7. Why should a fuse in an electric circuit be made from low-melting-point material?
8. How does deforestation affect the carbon dioxide and oxygen balance?
9. State one advantage of internal fertilization.
10. What happens when metal is heated and then cooled?
11. Give one reason why menstruation stops during pregnancy.
12. Why is it advisable not to urinate in water bodies?

13. How does coiling a wire around an iron bar and passing electricity through it form an electromagnet?
14. Give one function of the alveoli in the lungs.
15. What is the danger of using antibiotics without a doctor's prescription?
16. Why do desert plants have fewer leaves?
17. What is the importance of alum in water purification?
18. How does the skin serve as both a sense and excretory organ?
19. Why is excessive intake of fatty foods dangerous to body organs?
20. State how friction is useful when walking.
21. How does a microphone change sound energy into electrical energy?
22. Why is oil applied to machine parts?
23. Why are birds required to incubate their eggs?
24. What causes high tides on the side of the Earth facing the moon?
25. Why is stagnant water a health risk in the community?
26. How does the xylem help in plant survival?

27. State the function of nitrogen-fixing bacteria in the soil.
28. Why is it dangerous to connect a live wire directly to the neutral wire?
29. How does bush fallowing improve soil structure and fertility?
30. Give one reason why a solar eclipse does not happen every new moon.
31. Explain why the boiling point of water remains constant at 100°C .
32. How does the liver contribute to excretion?
33. State one reason why internal organs are protected by bones.
34. Why do animals excrete urea while plants don't?
35. How does air resistance help a parachute to land slowly?
36. Why is friction reduced in engines using lubricants?
37. What makes hard water unsuitable for washing?
38. How does the tilt of Earth's axis lead to seasons?
39. Why do most aquatic organisms die in polluted rivers?

40. Why is the atmosphere important for survival on Earth

41.

- (a) What is vaccination?
 - (b) How does it protect the body from diseases?
 - (c) Name two diseases that can be controlled by vaccination.
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42.

- (a) Explain the process of sound production and hearing in humans.
 - (b) Why does sound travel faster in solids than in gases?
 - (c) Give one example where sound is transformed into electricity.
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43.

- (a) What is friction?
 - (b) Explain one advantage and one disadvantage of friction.
 - (c) State two ways of reducing friction in machines.
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44.

- (a) How do the kidneys maintain the water balance of the body?

- (b) List two components of urine.
 - (c) State one danger of kidney failure.
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45.

- (a) Describe how fertilization takes place in flowering plants.
 - (b) Why is internal fertilization safer than external fertilization?
 - (c) Give one way of caring for a reproductive organ in males.
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46.

- (a) What is an electromagnet?
 - (b) Describe how to make a simple electromagnet.
 - (c) Give two uses of electromagnets in daily life.
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47.

- (a) Define soil erosion.
- (b) Explain two causes of soil erosion.
- (c) State two ways of preventing soil erosion in farms

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