



Acknowledgement

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Questions

1. What is the difference between science and technology?
2. What are the different types of vaccines?
3. What is the difference between discovery and invention? What is more important for a country?
4. What is the difference between virus and bacteria? Are all viruses bad? Give an example of a good virus.
5. What is James Webb telescope? Why is it important? Why is it better than the Hubble telescope?
6. Tell us about LIGO India. What are gravitational waves?
7. What are the different kinds of orbits?
8. What is a satellite? What are the types of satellites? What is its utility for a common man?
9. Explain the mechanism of a refrigerator?
10. Differentiate between polar and geostationary satellites. Give examples.
11. Which is the latest launch vehicle of India? What are its specifications?
12. Why is water used as a coolant? Why not any other liquid?
13. Why is science and technology important for India's development?
14. Explain the working of a ceiling fan? Why does it have 3 blades?
15. What are the different types of rockets?
16. What is the difference between PSLV and GSLV? Which is more powerful?
17. What are the recent developments in the field of space technology?
18. What is the difference between a star and a planet?
19. What is a black hole?
20. Explain the big bang theory?
21. What is the difference between an atom and a molecule?
22. What is the difference between an acid and a base?
23. Explain the process of photosynthesis.
24. Explain the human digestive system.
25. Explain the human respiratory system.
26. What is the difference between a cell and a tissue?
27. What are the different blood groups? Who can donate to whom?
28. What are vitamins and minerals? Why are they important for our body?
29. What is DNA? What is its function?
30. What is the difference between a unicellular and a multicellular organism?

31. What are the different types of pollution? What are their effects?
32. What is global warming? What are its causes and effects?
33. What is acid rain? What are its causes and effects?
34. What is the ozone layer? Why is it important? What is causing its depletion?
35. What are the different sources of energy? What are the advantages and disadvantages of each?
36. What is nuclear energy? What are its advantages and disadvantages?
37. What is solar energy? How can it be harnessed?
38. What is wind energy? How can it be harnessed?
39. What is hydroelectric energy? How is it generated?
40. What is geothermal energy? How is it harnessed?
41. What are the different types of waves? Give examples.
42. What is sound? How does it travel?
43. What is light? What are its properties?
44. What is electricity? How is it generated?
45. What is magnetism? What are its properties?
46. What are the different types of forces? Give examples.
47. What is gravity? What are its effects?
48. What is friction? What are its advantages and disadvantages?
49. What is pressure? How is it measured?
50. What is density? How is it measured?
51. What is the difference between mass and weight?
52. What is the difference between speed and velocity?
53. What is acceleration? How is it calculated?
54. What are the three laws of motion? Explain them with examples.
55. What is the law of conservation of energy?
56. What is the law of conservation of momentum?
57. What is the law of universal gravitation?
58. What is the periodic table? What is its significance?
59. What are the different states of matter?
60. What is the difference between a physical change and a chemical change?
61. What is a chemical reaction? What are the different types of chemical reactions?
62. What is a solution? What are its components?
63. What is an alloy? Give some examples.
64. What is a polymer? Give some examples.
65. What is a fiber? What are the different types of fibers?
66. What is plastic? What are its advantages and disadvantages?
67. What is rubber? What are its properties?
68. What is glass? What are its properties?
69. What is cement? How is it made?
70. What is soap? How does it clean?