Sample Exam Question Paper

Q1. What is the function of the mitochondria in a cell? Q2. How does photosynthesis work? Q3. What is DNA and why is it important? Q4. What are the differences between plant and animal cells? Q5. How do vaccines help protect against diseases? Q6. What is the periodic table and how is it organized? Q7. What is the difference between an element, a compound, and a mixture? Q8. What is pH and what does it measure? Q9. How does a chemical reaction differ from a physical change? Q10. What are acids and bases? Q11. What are Newton's three laws of motion? Q12. What is gravity and how does it work? Q13. How does electricity flow in a circuit? Q14. What is the difference between potential and kinetic energy? Q15. What is the speed of light? Q16. What causes earthquakes? Q17. What are the layers of the Earth? Q18. How are stars formed? Q19. What is climate change and what causes it? Q20. What is the water cycle? Q21. What is the scientific method? Q22. How do magnets work? Q23. Why do we see different phases of the moon? Q24. What is a black hole?

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