

# NEET PREP Worksheets




Name: \_\_\_\_\_

Date: \_\_\_\_\_




## Instructions:

Answer the questions and solve the problems. Seek assistance if you're unsure about an answer. This worksheet is designed to assess your readiness for the NEET exam.




## Section 1: Biology

-  Explain the process of photosynthesis in plants, including the role of chlorophyll.
-  Describe the structure and functions of red blood cells (erythrocytes) in the human body.
-  Explain the concept of "genetic variation" and its importance in evolution.




## Section 2: Chemistry

-  Define the term "stoichiometry" and its significance in chemical reactions.
-  Write the chemical equation for the reaction between hydrochloric acid (HCl) and calcium carbonate ( $\text{CaCO}_3$ ), and balance the equation.
-  Explain the difference between an acid and a base, including the pH scale.



## Section 3: Physics

-  Describe the concept of "simple harmonic motion" and provide an example from everyday life.
-  Calculate the momentum of an object with a mass of 10 kg and a velocity of 5 m/s.
-  Explain the principles of electromagnetic induction and its applications.



## Section 4: General Aptitude

-  Rewrite the sentence, "He studied hard, so he scored well" using "because."
-  If "BRAIN" is coded as "ICFSJ," how is "HEART" coded using the same code?
-  Solve the following analogy: • Stethoscope is to Doctor as Scalpel is to \_\_\_\_\_.

## Section 5: Problem-Solving

-  Solve the following biology problem: If a population of rabbits starts with 100 individuals and has a growth rate of 20% per year, how many rabbits will there be after 5 years?
-  Solve the following chemistry problem: Calculate the molarity of a solution that contains 0.5 moles of sodium chloride (NaCl) dissolved in 500 mL of water.

## Section 6: Advanced Concepts (Optional)

-  Describe the concept of "biotechnology" and its applications in medicine.
-  Explain the role of "quantum mechanics" in understanding the behaviour of particles at the atomic and subatomic level.

**Bonus Challenge:** Provide a brief explanation of any two specific topics from your NEET exam syllabus.

Review your answers and continue to practice problem-solving. NEET exams require a strong grasp of biology, chemistry, and physics, so thorough preparation is essential. Best of luck with your NEET preparation!