

IGCSE Mathematics

1. **Algebra:** Solve the equation $3x+5=17$.
2. **Geometry:** A triangle has angles measuring 35° , 65° , and 80° . Prove whether the triangle is right-angled.
3. **Statistics:** A survey showed that 40% of students prefer Science over Math. If there are 200 students, how many prefer Science?

IGCSE Physics

1. **Forces and Motion:** A car accelerates from 0 to 20 m/s in 5 seconds. Calculate the acceleration.
2. **Energy Transfer:** Describe the process of convection and give an example of where it occurs in everyday life.
3. **Waves:** Explain the difference between longitudinal and transverse waves, providing examples of each.

IGCSE Chemistry

1. **Atomic Structure:** Draw a labeled diagram of an atom, including protons, neutrons, and electrons.
2. **Chemical Reactions:** What are the products of the reaction between hydrochloric acid and sodium hydroxide?
3. **Periodic Table:** Explain why noble gases are unreactive.

IGCSE Biology

1. **Cells:** Compare and contrast the structures of plant and animal cells.
2. **Human Body Systems:** Describe how the respiratory and circulatory systems work together to provide oxygen to the body.
3. **Genetics:** Define dominant and recessive alleles and provide an example of each.

IGCSE English

1. **Comprehension:** Read the passage provided and summarize the main argument in one sentence.
2. **Creative Writing:** Write a short story based on the theme "A Lesson Learned."
3. **Grammar:** Identify and correct the errors in the following sentence: "He don't have no money to spend on unnecessary things."