

SchoolNova Chem2 Class 6 Homework

1. A candy bar contains 20 grams of glucose ($C_6H_{12}O_6$). How many grams of carbon dioxide and water will it produce when fully metabolized? Show the chemical equation and the calculation.
2. What is the free energy of formation of O_2 ?
3. Look up the free energies of formation of glucose, carbon dioxide, and water. How much free energy (in kJ/mol) is released by the metabolism of glucose? Show the calculation.