

# IELTS Writing Task 1 - Process Diagram Sample with Model Answer

The diagram below shows the process of producing electricity from coal. Summarise the information by selecting and reporting the main features, and make comparisons where relevant.

## Model Answer (Band 9):

The diagram illustrates how electricity is generated from coal in a power plant through a series of mechanical and thermal stages. Overall, the process involves five main stages, beginning with coal being burned in a furnace to produce heat and ending with electricity being distributed to homes and businesses through power lines. Initially, coal is fed into a furnace, where it is burned to produce heat energy. This heat is then used to convert water into steam inside a boiler. The steam is directed under high pressure into a turbine, causing its blades to spin rapidly. The kinetic energy generated from this spinning motion drives a generator, which converts mechanical energy into electrical energy. Finally, the electricity produced is transmitted through power lines and distributed to consumers for domestic and industrial use. Throughout the process, excess steam is condensed back into water and reused in the system, making the process more efficient. In conclusion, electricity production from coal is a cyclical process involving heat, steam, and mechanical conversion, with the final output being electrical power delivered to users.