



ELECTRICITY



A note from Dr R K Pachauri

Human society has made remarkable progress in the field of science and technology during the past century. We have crossed boundaries in space exploration and genetics, and have also made enormous strides in the development of technologies. However, some of these changes have brought with them problems that affect our natural resources. We have endangered our flora and fauna, polluted our water resources and contaminated the air we breathe. In order to reverse the damage to our environment, we must ensure that future developments in science are in harmony with nature.

This series explores the fundamental scientific concepts of light, sound, energy, and electricity. For example, is light made up of waves or particles? How does noise pollution affect us? What are the different sources of electricity, and how is the power in our homes generated? These concepts acquire greater meaning in today's world, where science and technology offer us ideal solutions to problems that have put our planet's future at risk.

I hope that those who read these books will not only enjoy them, but will also feel inspired to protect the beautiful world of science brought alive on these pages. Children, being the future custodians of Planet Earth, are in a unique position to create a beautiful, peaceful, and healthy future for the human race.



R K Pachauri

Director-General, TERI

Chairman, Intergovernmental Panel on Climate Change