The Changing Phases of Matter
75416 DVD
14 min J 2009 Mcintyre Films
In this program, students will witness how a substance, such as water, can exist in several dramatically different phases. Easy-to-understand examples illustrate how phase changes occur. Additional concepts and terminology: states of matter, particles, solid, liquid, gas, plasma, melting, freezing, vaporization, boiling, evaporation, condensation, and sublimation.
No Other Versions Available

Energy Resources: Use & Conservation
74851 DVD
23 min JI 2000 Distribution Access
Students learn that we can harvest the power of nature from a variety of sources all around us; the sun, wind and water, the atom, energy stored in fossil fuels and the heat of the planet itself. Learn why these energy resources are nonrenewable and in jeopardy of being used up as global energy consumption continues to rise.
No Other Versions Available

In Matter: Atoms, Elements & Chemistry (Disc #5)
75014 DVD
60 min JI 2006 Visual Education Centre
In Matter: Atoms, Elements, & Chemistry DVD introduces young learners to important science concepts. Learn about Properties of Matter, Thermal Conductivity, The Periodic Table of Elements, Atomic Bonds, Conversion of Mass, Thermal Conductivity, Investigating Chemical Reactions, Fundamental Forces and more. There's even a "Tough Words" section to reinforce these concepts. This DVD contains 19 animated episodes that introduce viewers to matter and atoms.
No Other Versions Available

Motion, Force & Newton’s Law, Simple Machines, Energy
75417 DVD
80 min JI 2002 Mcintyre Films
This four-part series covers: Motion-In this DVD students will explore the principles of motion, the basic concepts of speed and velocity, and how speed and acceleration are calculated. Force and Newton's Laws provides live-action examples of the principle of force and the application of Newton's Three Laws of Motion. In the Simple Machines program various types of machines are described, as well as their effect on work and power. The Energy program describes the five main forms of energy and how to differentiate between them.
No Other Versions Available

Turning Down the Heat
71485 VHS Video
49 pce IS 1999 National Film Board
Turning Down the Heat is a documentary film that describes the global "green" energy revolution currently underway in many countries, and demonstrates solutions to reducing greenhouse gas emissions both in Canada and overseas. Narrated by David Suzuki.
No Other Versions Available