

Types of Energy

Name:

Date:

INQUIRY

China's Three Gorges Dam is the world's largest power station. What type of energy does it convert?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Energy store	A way energy is kept: kinetic, thermal, chemical, gravitational, elastic, nuclear.
Energy transfer	How energy moves between stores.

Part A — Identifying

1. Name the main energy store in: (a) a moving train (b) a hot cup of tea (c) a stretched rubber band (d) food (e) uranium fuel (f) a book on a high shelf. [3 marks]

Part B — Application

2. Three Gorges Dam: describe the energy transfers from water behind the dam to electricity in a Nanjing apartment. Name each store and transfer. [4 marks]

3. A Korean electric car battery: chemical \rightarrow electrical \rightarrow kinetic. Draw an energy transfer diagram. [3 marks]