

Unit Question

How is it possible to charge electrical devices when the power is out? (1.1)

Chapter Questions

Chapter 1: What is energy and why does it matter to the rescue team? (1.1)

Chapter 2: How can the rescue workers get energy to the batteries in their equipment during rescue missions? (2.1)

Chapter 3: What is the best way for the rescue workers to capture energy from their bodies' motion during rescue missions? (3.1)

Investigation Questions

Chapter 1

How do you know something has energy? (1.2, 1.3, 1.4)

Chapter 2

How do objects get energy? (2.1)

Key Concepts

Chapter 1

- Whenever something moves or changes, it is because of energy. (1.2)
- When something is moving, it has kinetic energy. (1.3)
- When something has the ability to make things move or change in the future, it has potential energy, even if it is not moving or changing now. (1.3)

Chapter 2

- Nothing creates energy. If something has energy, the energy must have been transferred from something else. (2.2)
- Energy can be transferred from one object to another, and energy can be converted from one type to another. (2.2)