Solar Bags
Energy exists in many forms

Potential Energy           Kinetic Energy
Energy exists in many forms

Potential Energy

Kinetic Energy
Potential Energy

Gravitational

Chemical

Nuclear
Most energy on the Earth comes from the Sun!

Electromagnetic energy
Most energy on the Earth comes from the Sun!
Solar Bag

• The solar bag collects electromagnetic energy from the sun and converts it to thermal energy. This thermal energy heats up the air inside the bag and makes the bag float!
Solar Bag
• **Dark colored material**: Absorbs electromagnetic energy and converts it to thermal energy (it heats up!)
Solar Bag

- Dark colored material: Absorbs electromagnetic energy and converts it to thermal energy (it heats up!)
Solar Bag

- **Air:** Air trapped inside the solar bag heats up, expands, becomes less dense, and floats!
Solar Bag