

### **Energy conservation:**

**What we expect students to know and be able to do when they graduate from high school**

There are different forms of energy

- Name and define different forms energy
- Differentiate between forms of energy
- Know the relation between energy and work

Energy can be transferred from one form to another

Energy is conserved

- Initial energy equals final energy in a closed system
- Energy can't be made or destroyed, it can only be transferred

Represent energy in a system (energy diagrams)

Define a system

Social/environmental applications of energy conservation and transfer