**Make Mine Renewable**

**REMEMBER**

1. How much of Australia's energy will be supplied by renewable energy sources in 2020, according to the target set by the federal government?
2. List two ways of ensuring that the Earth's supply of non-renewable energy resources doesn't run out.
3. Describe two ways in which solar energy can be used to generate electricity.
4. Identify a non-renewable fuel that is not a fossil fuel.

**THINK**

1. The turbines in coal-fired and hydro-electric power stations rotate in only one direction. Why are the turbines in tidal power stations reversible?
2. Which renewable energy options involve the use of heat from the sun? (*Hint:* There is more than one answer.)
3. Nuclear energy is a non-renewable energy source.
	1. Why is it classified as non-renewable?
	2. Is nuclear energy a fossil fuel? Give a reason for your answer.
4. Most of the methods of generating electricity involve the use of turbines. Into what form of energy do turbines convert the energy of steam, falling water and other energy resources?
5. Each of the renewable energy options for generating electricity solves some of the problems caused by burning fossil fuels. However, each of them also has disadvantages. Describe the disadvantages of each of the renewable energy options.