



ENERGY AND RECYCLING: Renewable Energy

You will need to use fact sheet **Energy and Recycling** - [Renewable Energy](#) to help you with this activity.

Activity 1

In groups, choose one of the renewable energy sources listed in the fact sheet and choose either the advantages or disadvantages associated with this type of energy. Expand on those listed in the fact sheet and, as a class, debate each advantage and disadvantage and decide whether or not the advantages outweigh the disadvantages.

Activity 2

Research the need to use different sources of energy in different geographical locations around the world. For example, why are coal and oil so commonplace in China and what are they doing to be more renewable?

Activity 3

Research where and how hydrogen is being developed as a viable renewable energy source. Look into both the hydrogen fuel cell and hydrogen as a fuel itself. What are the challenges and opportunities of using hydrogen as a fuel for the future? Are any countries leading the way forward?