



## WORKSHEET A

### Stored Energy in Fuels

*Energy can be made from sunlight, wind and water. This type of energy is renewable and will not pollute the Earth.*

*Natural resources include all things that help and support life. They include things like heat, light and air as well as the soil, the animals and the plants on land and in water and the minerals and fossil fuels found underground.*

*Natural resources can be renewable or non-renewable.*

**Renewable resources** can be replaced, like crops that can be planted again.

**Non-renewable resources** like coal take millions of years to form and cannot be replaced.

Some renewable resources need to be protected if they are to be conserved.

#### Instructions:

Find in the columns below descriptions for different types of energy. See if you can match these descriptions with the correct type of energy. Select your answers from the following list:

**heat energy / muscle energy / gravitational potential energy /  
kinetic or movement energy / potential or stored energy /  
chemical energy / light energy / electrical energy**

	DESCRIPTION	TYPE OF ENERGY
1	The sun gives off this type of energy. When something gets hot it gives off ..... energy. e.g. solar panels, fire in a fireplace, hot cup of coffee/tea, electrical stoves, hairdryers, sun rays.	
2	This is the form of energy that something gives off when it glows or burns. e.g. remote controllers, movement of a radio signal.	

3	This form of energy is made by an electric current. e.g. electrical heaters, stoves and hairdryers, toaster, vacuum cleaner.	
4	This energy is the form of energy that something has when it is moving. e.g. kicking a ball, moving water and wind, an aeroplane in flight, roller coaster, train, electricity, etc.	
5	This form of energy is stored in something. It is waiting to be used. e.g. apples on a tree, compressed spring, stretching a rubber band, etc.	
6	This is the form of energy stored in fuels like coal and oil and in batteries and food. This energy can also be called food energy or stored energy. e.g. batteries, petroleum, atoms, molecules, natural gas, sugar, gasoline, etc.	
7	This is the energy of something that could fall due to gravity. Gravity is the pull of the Earth. e.g. <ul style="list-style-type: none"> <li>- Water in a dam has the potential to fall if the floodgates are opened.</li> <li>- A book on the edge of a table has the potential to fall to the ground if it is knocked.</li> <li>- A pencil being held above a table, skydiver jumping out of an aeroplane, a book lifted off the floor and places on a desk, diving from the diving board into the swimming pool, etc.</li> </ul>	

[TOTAL 7]