## Date: Electricity Class:

Name:



**Task 1** – Using the words in the list below, fill in the gaps in the following sentences

## candles ~ flame ~ Thomas Edison ~ gaslights ~ arc light ~ heat ~ electric

In 1880,	patented an incandescer	nt bulb.	This had	been a	long journey of
invention starting with Hu	ımphry Davy's	_ almost	80 years	before.	

By the early 1900s	lighting was commonp	place in homes. Before that	it,
homeowners had to use other	r light sources like	and gas or oil lamps.	These also
released a small amount of	energy as well as l	light energy.	

The problem was that these light sources used a naked \_\_\_\_\_ which sometimes resulted in fires and explosions. This was a particular problem in public places like theatres where were used to light the front of the stage.

Throughout history, different fuels have been burned to create light. Put a tick in the box next to the fuel which was not commonly burned in a lamp to create light.

Bees wax	9
Animal fats	
Alcohol	
Kerosene	

Task 2 – Use a line to match the extraction methods, products and fossil fuels below

Natural gas	Coal	Crude oil
		Fire-Maple
Drilling wells	Fracking	Mining

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## Task 3 - Identify the types of renewable energy from the sources pictured below, describe how the sources are harnessed

The first one has been done as an example...

Wood chips	Steam	Water	Sunshine	Wind
<b>Biomass</b> is organic material. It can be made from a crop grown specially or a <b>biproduct</b> of another industry like sawdust				
Outcome	Outcome	Outcome	Outcome	Outcome
It can be made in to pellets and <b>burned</b> to create heat and electrical energy				



Task 4 – In the space below, write a short paragraph describing how you think the landscape could look in future if we meet the targets set by the Climate Change act 2008