

Electricity

Date:

Name:

Class:



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 incandescent bulb. This had been a long journey of invention starting with Humphry Davy's _____ almost 80 years before.

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

Animal fats

Alcohol

Kerosene



Task 2 – Match each numbered fossil fuel with the extraction methods and products below

Natural gas

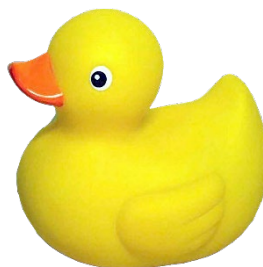
1

Coal

2

Crude oil

3



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



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**