

# Energy Enquiry Ideas Activity Sheet

I can work in a group to investigate the answer to a question.



How could we teach people to use less energy?

How would we know if we have done it?

Can we collect any information to help us find out?

Write as many ideas as you can think of.

# Energy Enquiry Ideas Activity Sheet



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# Energy Enquiry Survey Activity Sheet

I can take surveys and use the information to help answer a question.



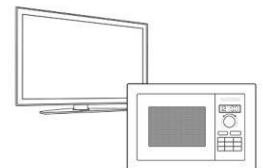
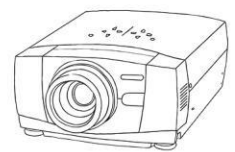
Area  Date of survey  Time of survey

Look carefully around the room.

How many of these appliances have been left on while the room is empty?

Count them using a tally.

Appliance	Tally	Total
Lights		
Computers		
Projectors		
Heaters and radiators		
Other appliances		



Total number of appliances left on:

# Energy Enquiry Survey Activity Sheet

[Large empty rounded rectangular box for notes]



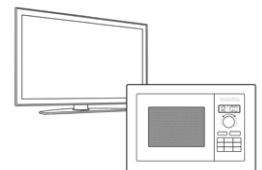
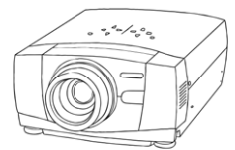
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# Energy Experts Wordsearch

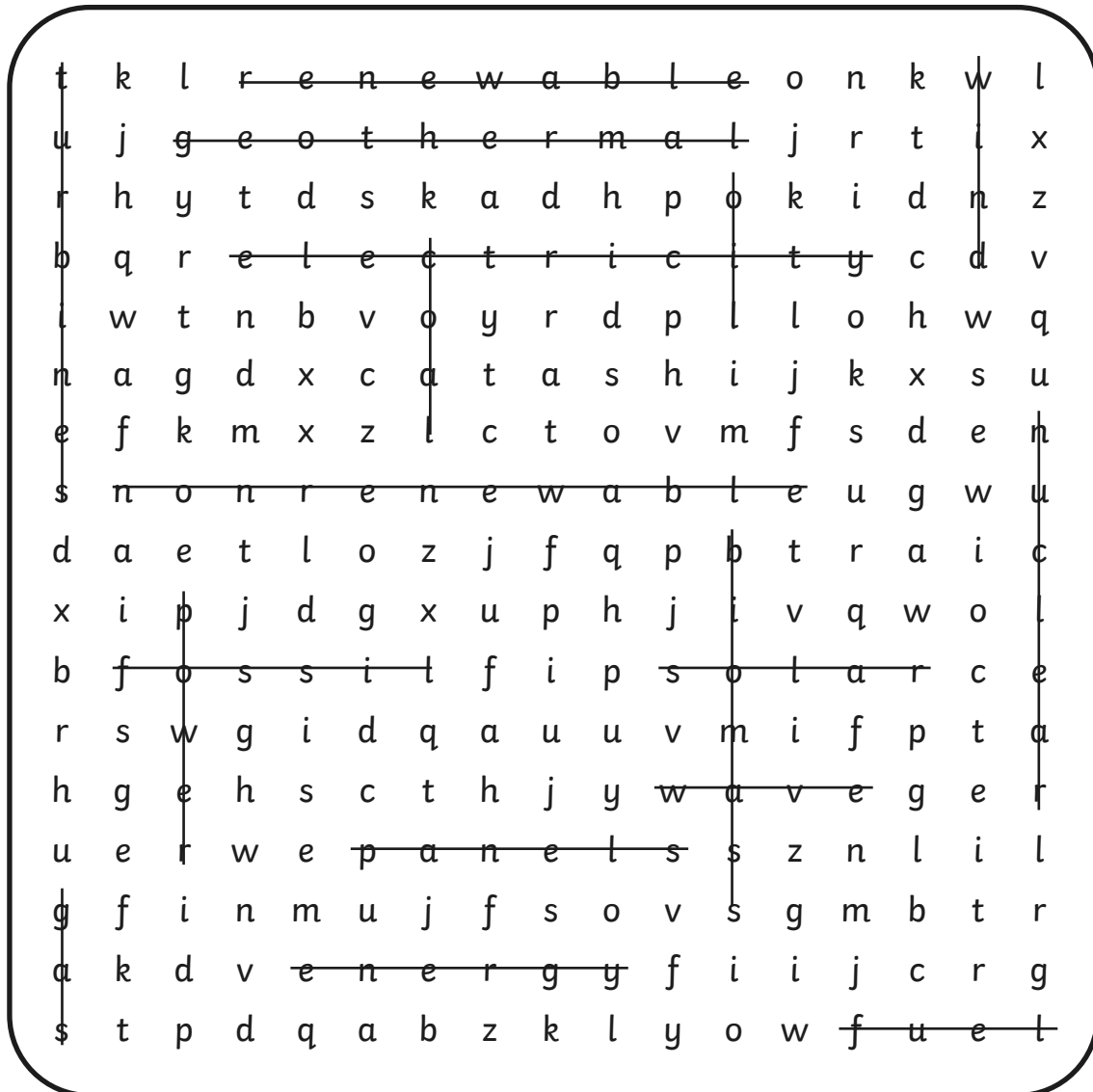
t k l r e n e w a b l e o n k w l  
u j g e o t h e r m a l j r t i x  
r h y t d s k a d h p o k i d n z  
b q r e l e c t r i c i t y c d v  
i w t n b v o y r d p l l o h w q  
n a g d x c a t a s h i j k x s u  
e f k m x z l c t o v m f s d e n  
s n o n r e n e w a b l e u g w u  
d a e t l o z j f q p b t r a i c  
x i p j d g x u p h j i v q w o l  
b f o s s i l f i p s o l a r c e  
r s w g i d q a u u v m i f p t a  
h g e h s c t h j y w a v e g e r  
u e r w e p a n e l s s z n l i l  
g f i n m u j f s o v s g m b t r  
a k d v e n e r g y f i i j c r g  
s t p d q a b z k l y o w f u e l

renewable  
non renewable  
fossil  
fuel  
oil  
coal  
gas  
wave  
biomass

electricity  
energy  
power  
nuclear  
solar  
panels  
wind  
turbines  
geothermal

OIL

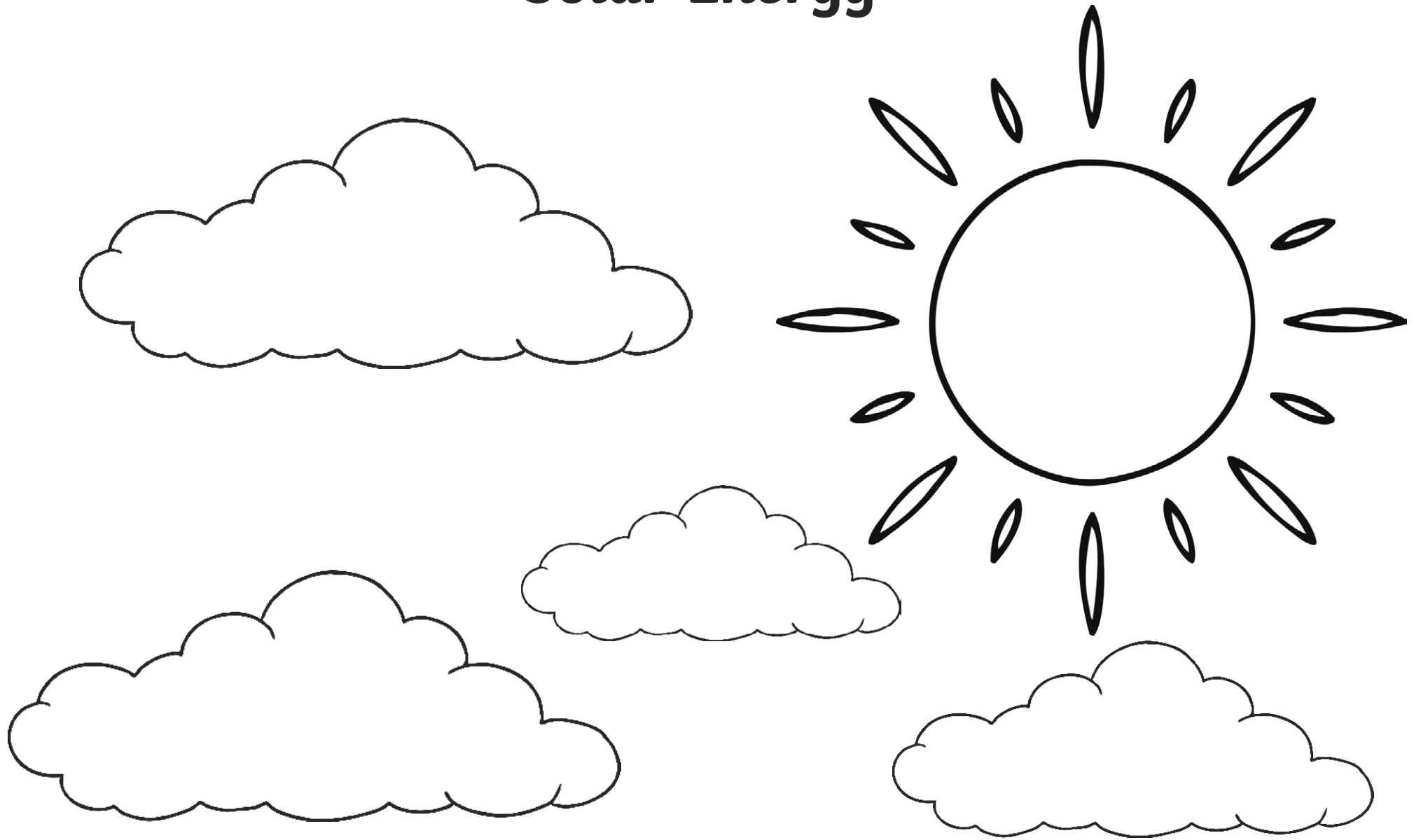
# Energy Experts Wordsearch



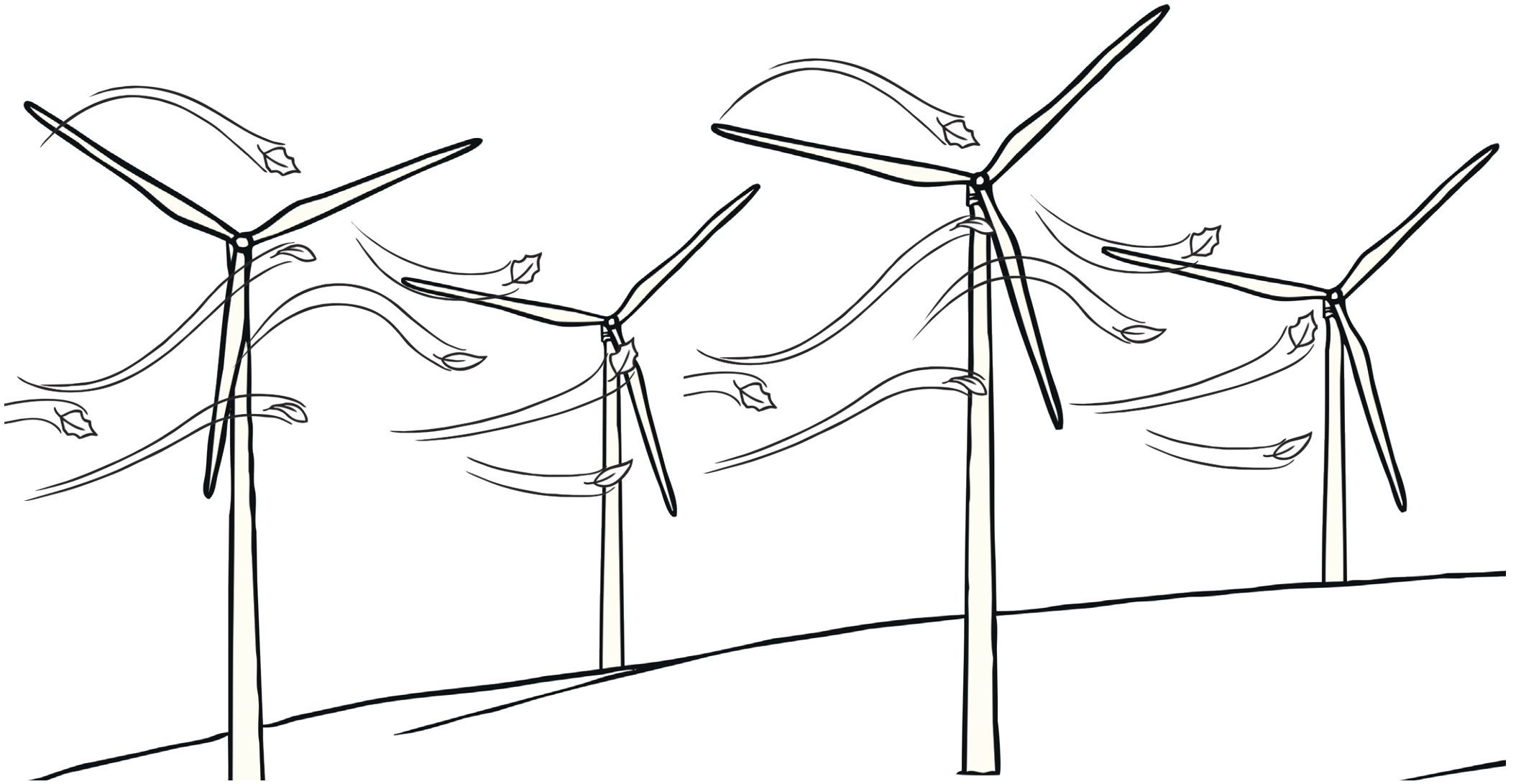
renewable  
non renewable  
fossil  
fuel  
oil  
coal  
gas  
wave  
biomass

electricity  
energy  
power  
nuclear  
solar  
panels  
wind  
turbines  
geothermal

# Solar Energy

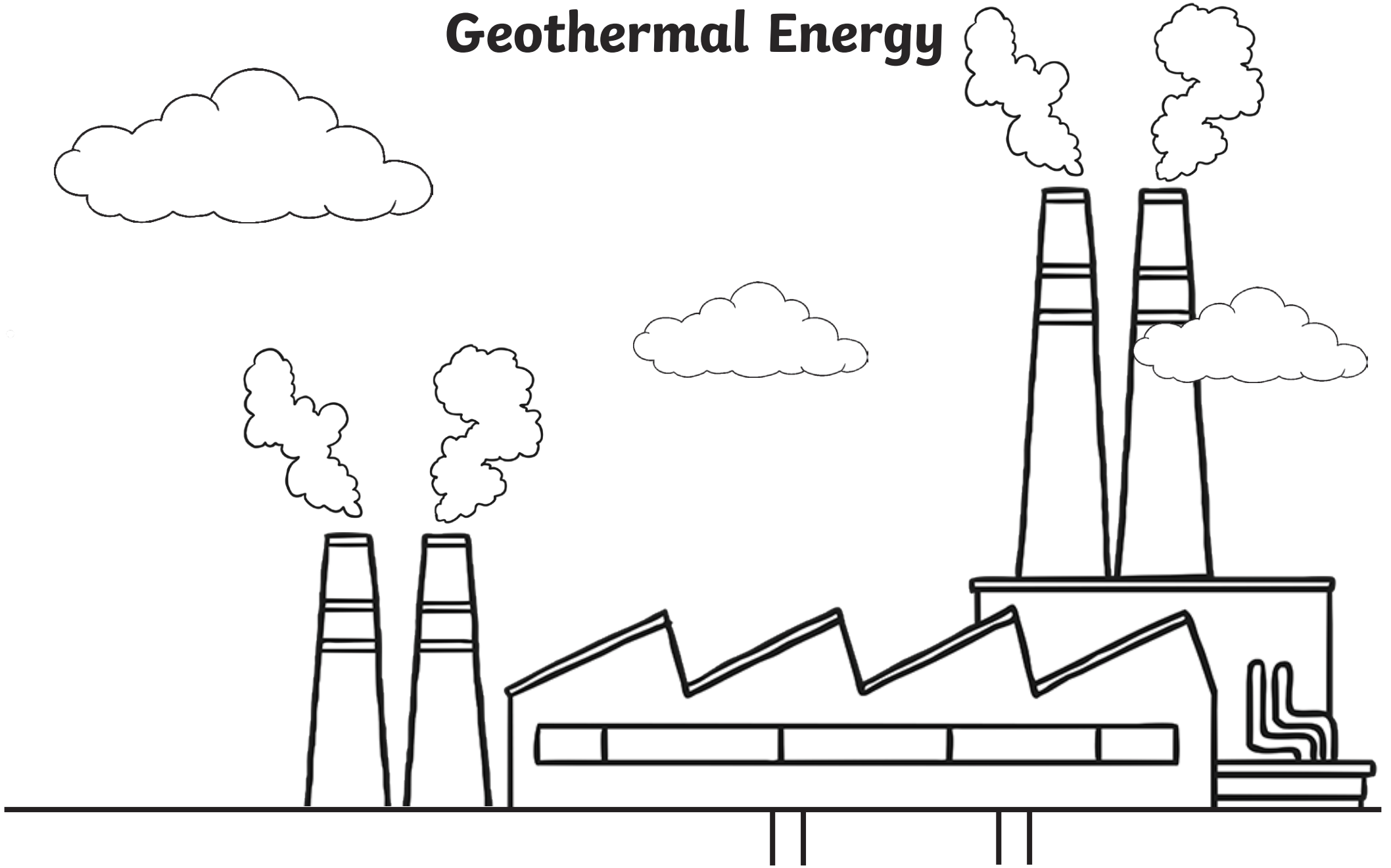


# Wind Energy

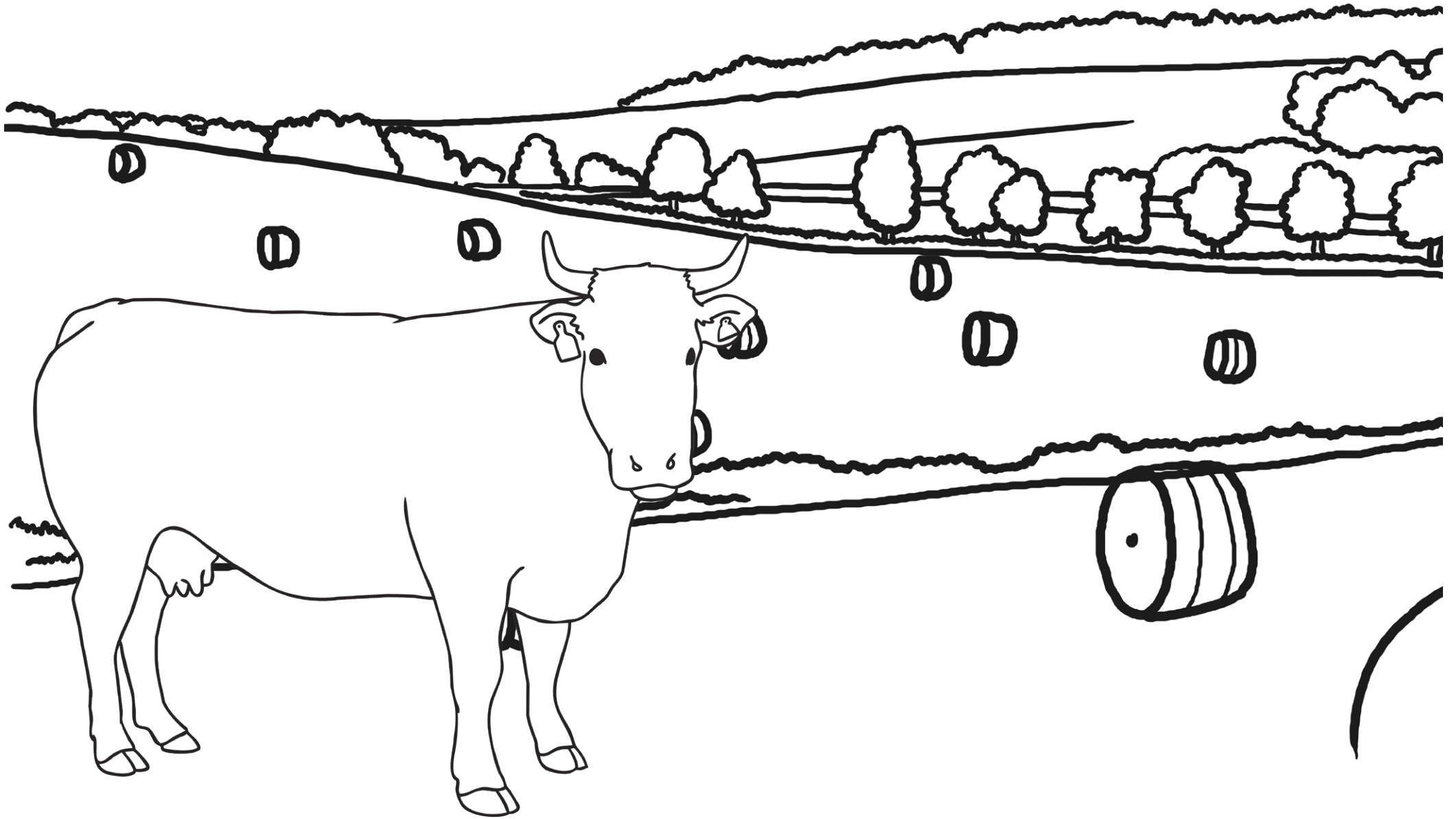




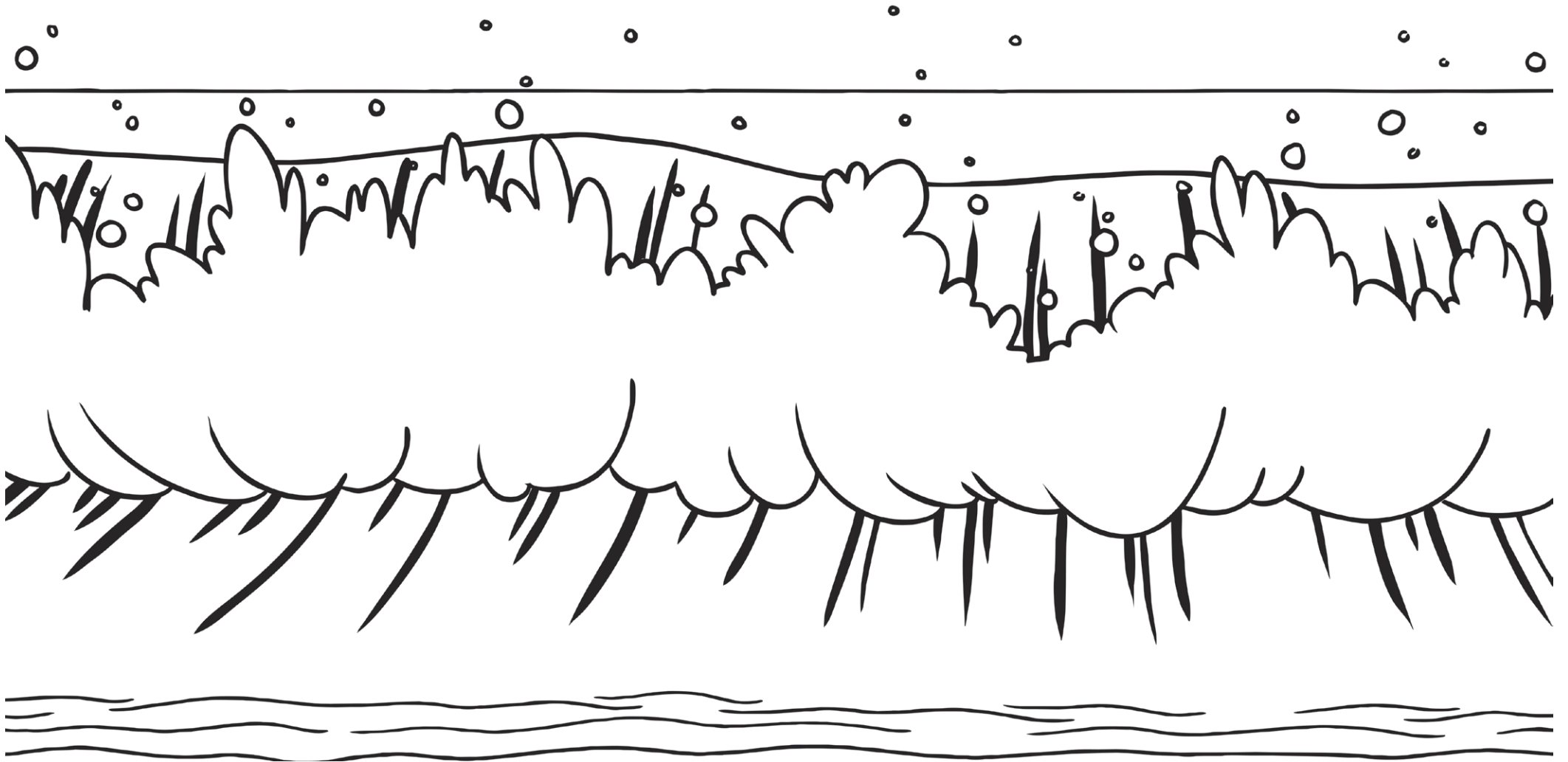
# Geothermal Energy



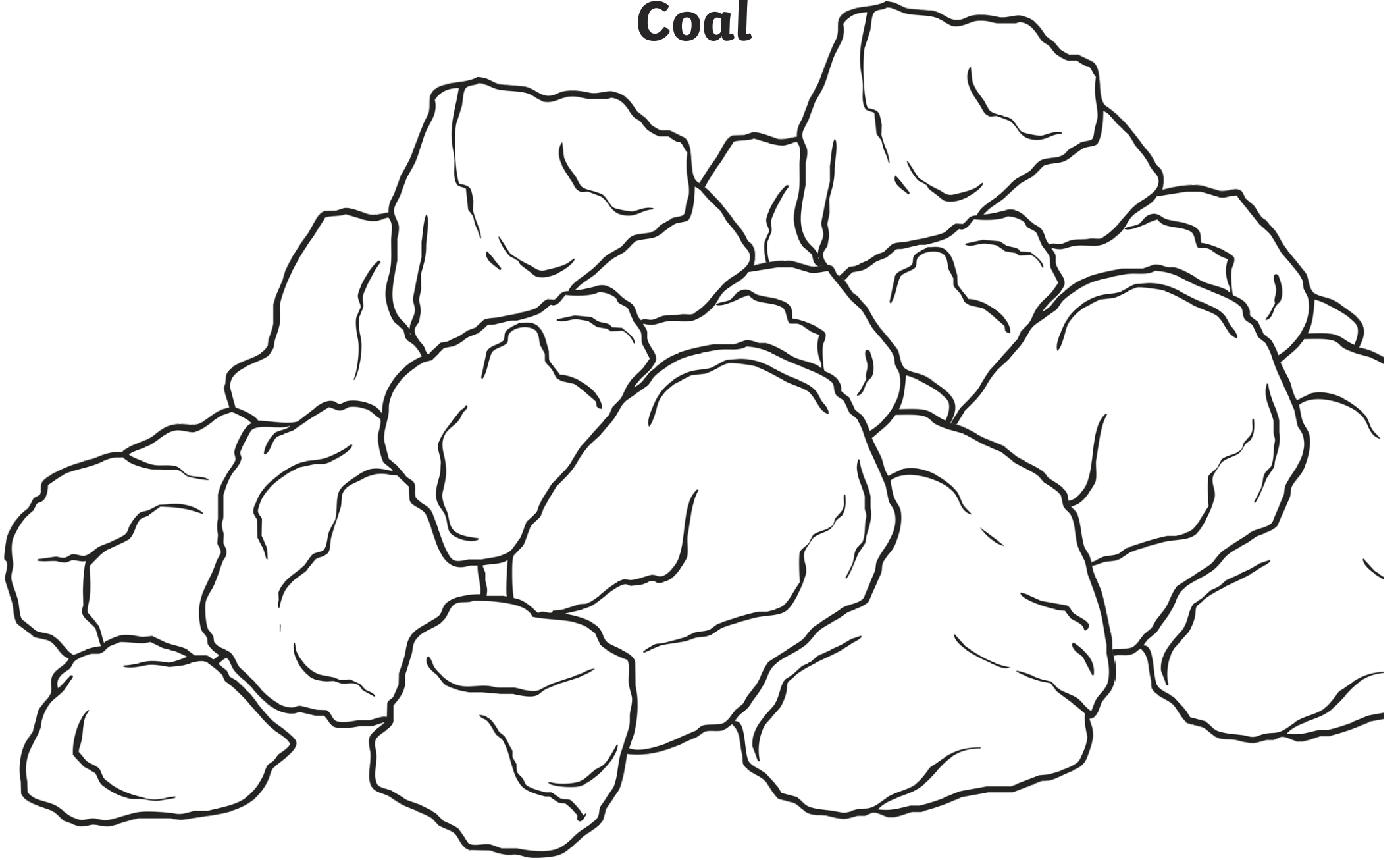
# Biomass Energy



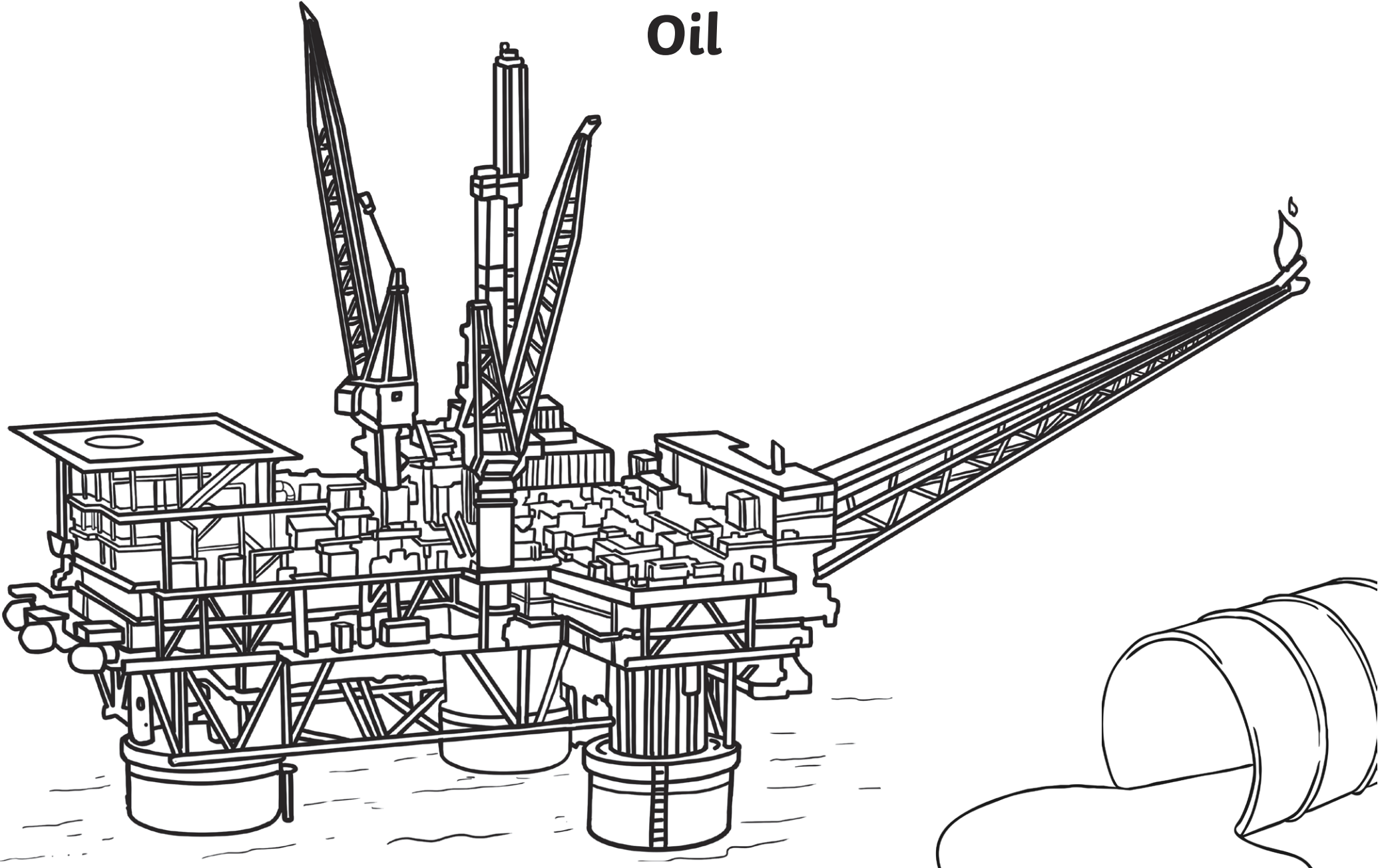
# Hydroelectricity



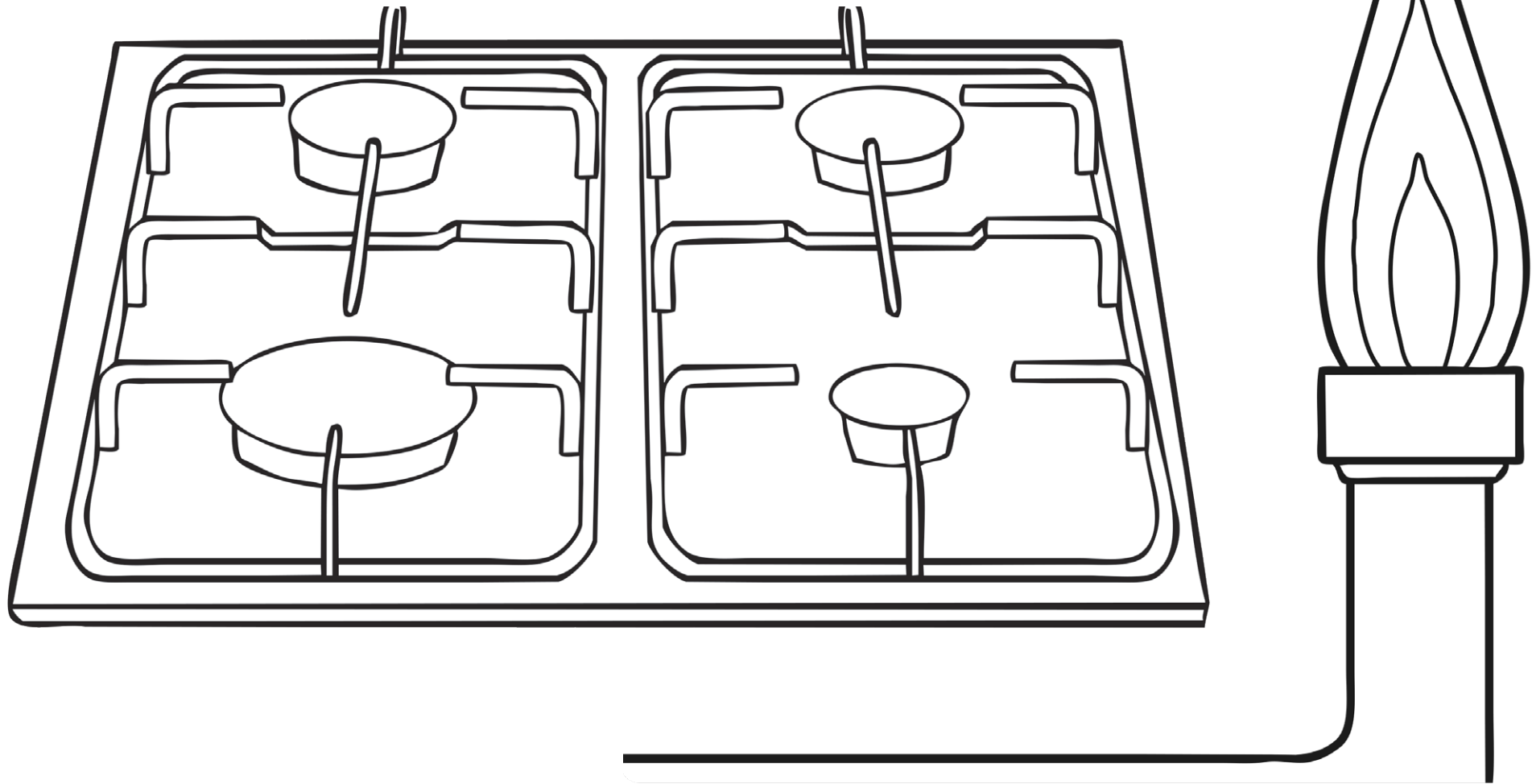
**Coal**



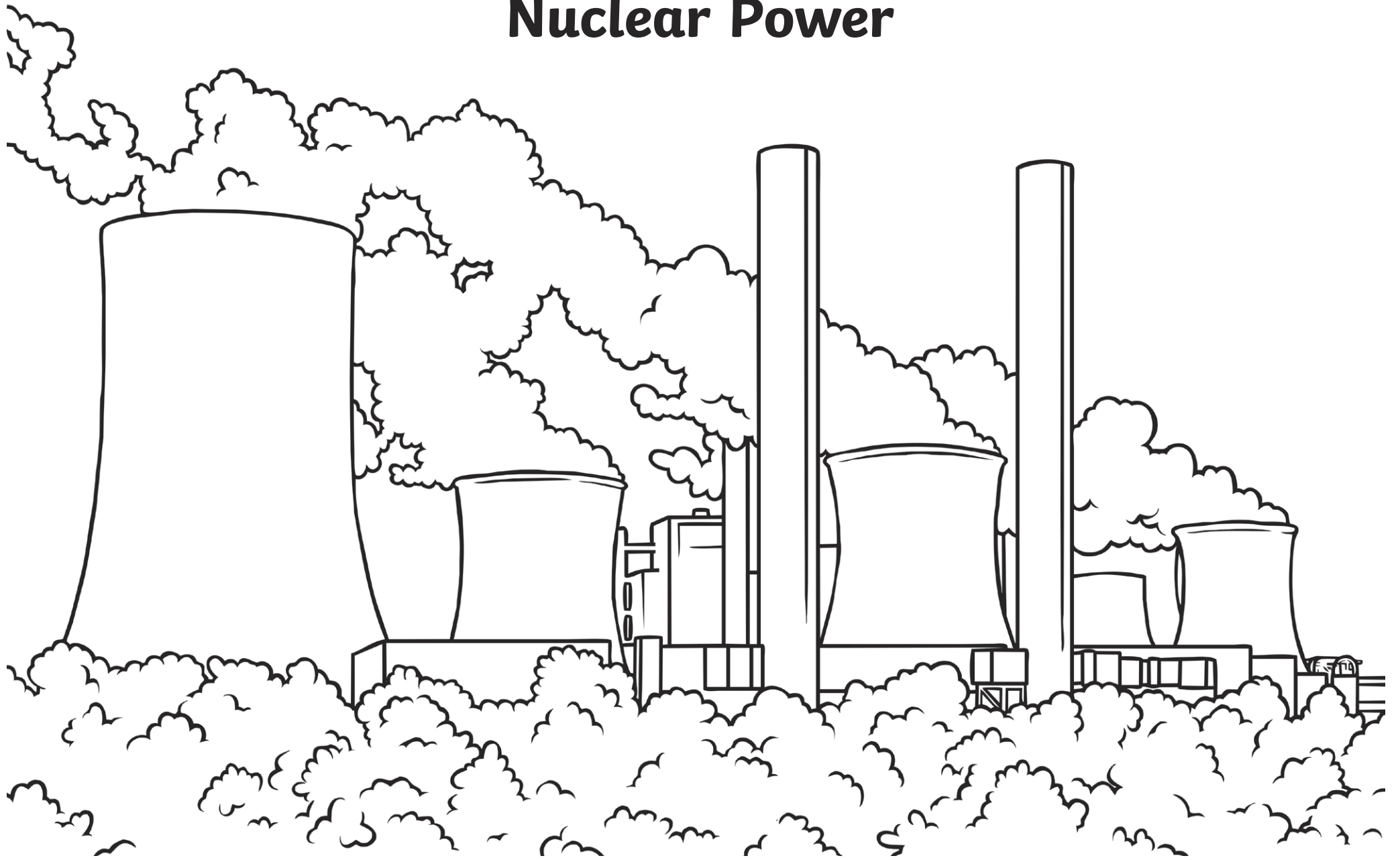
# Oil



# Natural Gas



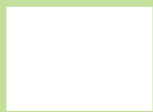
# Nuclear Power



**Renewable or  
Non-Renewable**

**Energy**

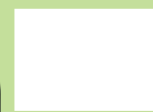
Sorting Cards



**Renewable or  
Non-Renewable**

**Energy**

Sorting Cards



**Renewable or  
Non-Renewable**

**Energy**

Sorting Cards



**Renewable or  
Non-Renewable**

**Energy**

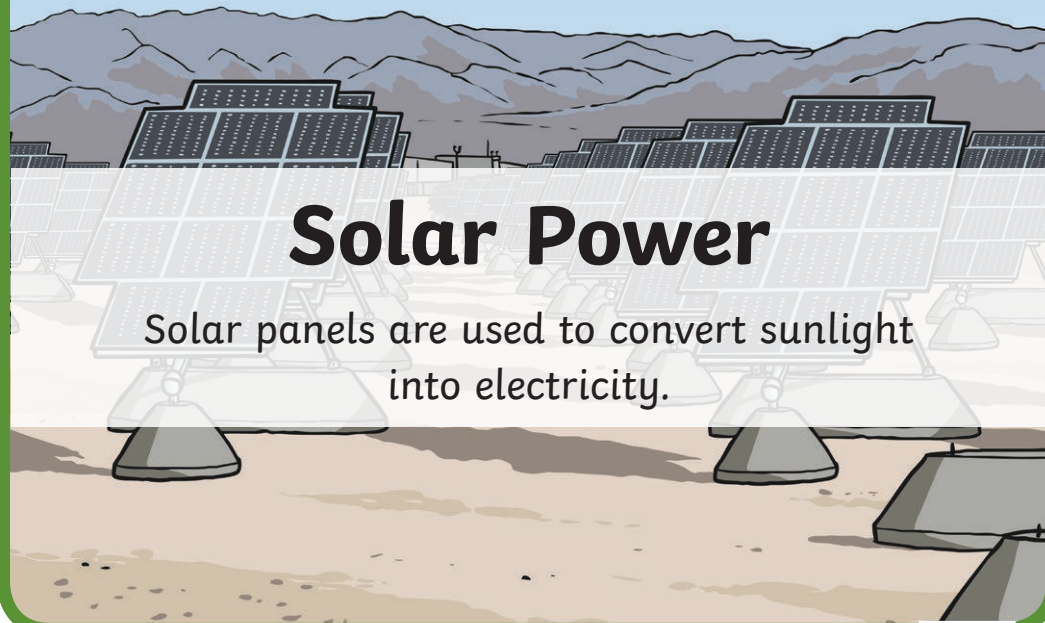
Sorting Cards





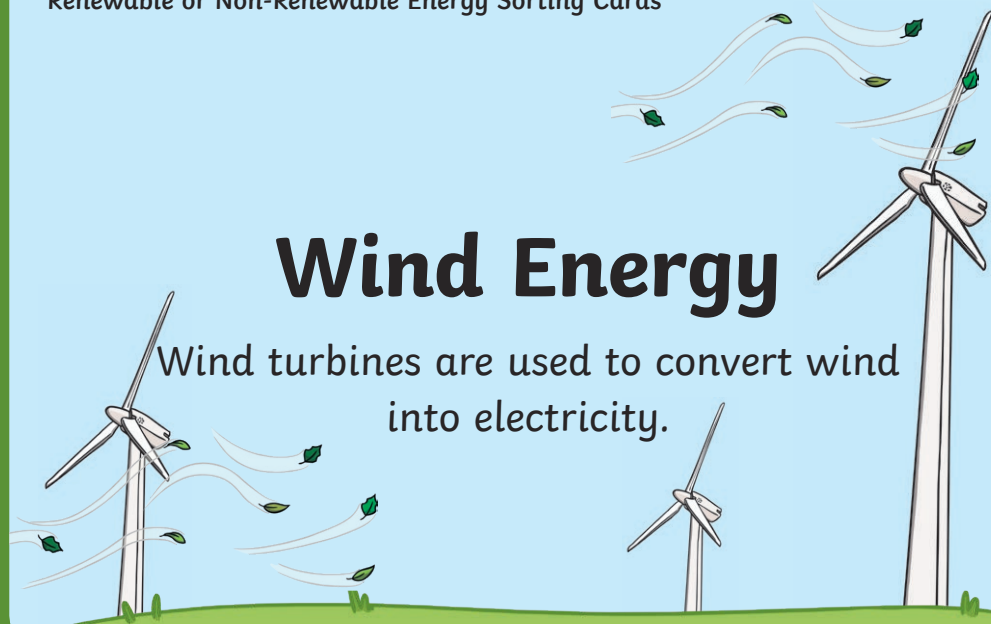
## Solar Power

Solar panels are used to convert sunlight into electricity.



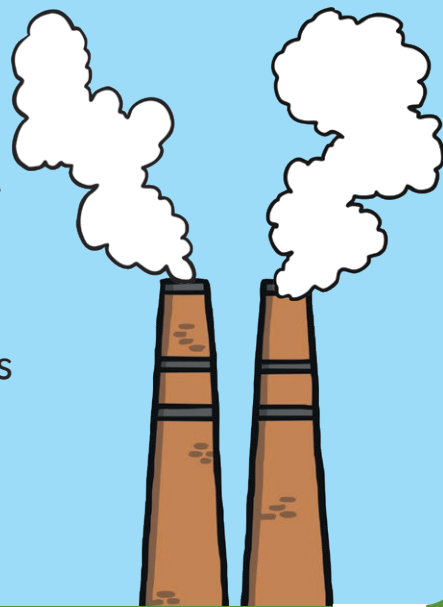
## Wind Energy

Wind turbines are used to convert wind into electricity.



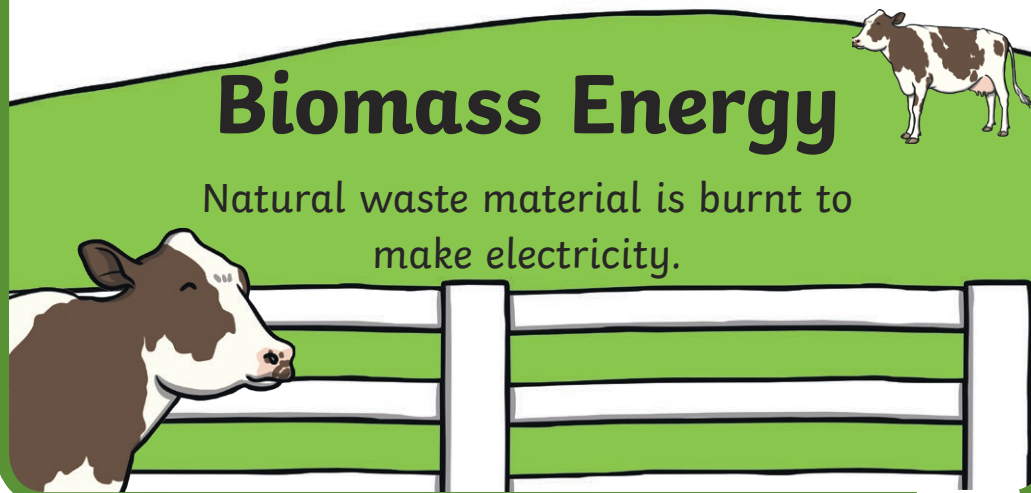
## Geothermal Power

Heat from underground is turned into electricity.



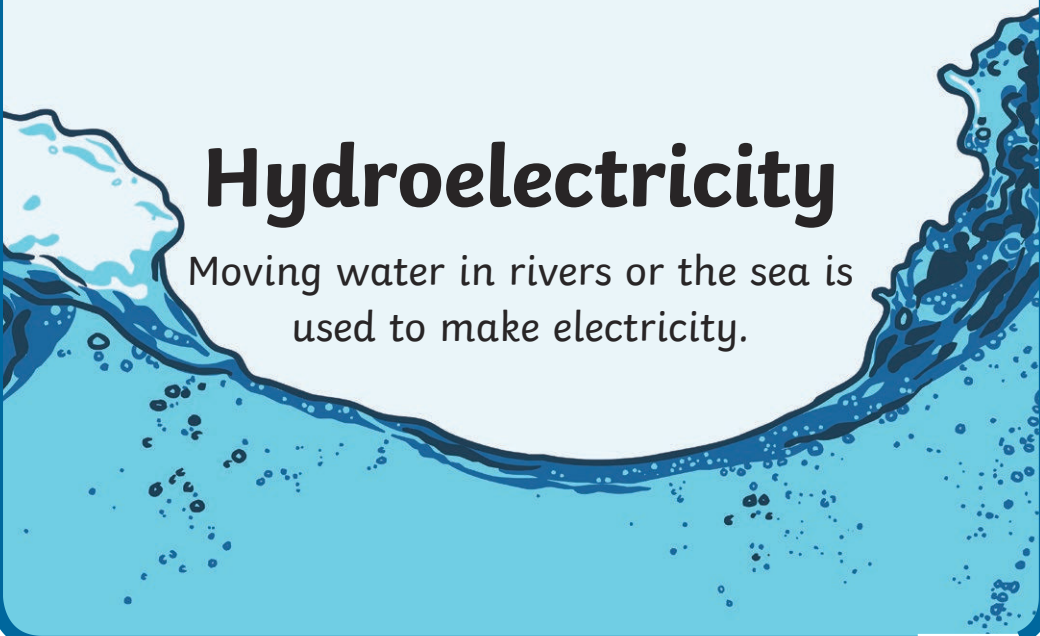
## Biomass Energy

Natural waste material is burnt to make electricity.



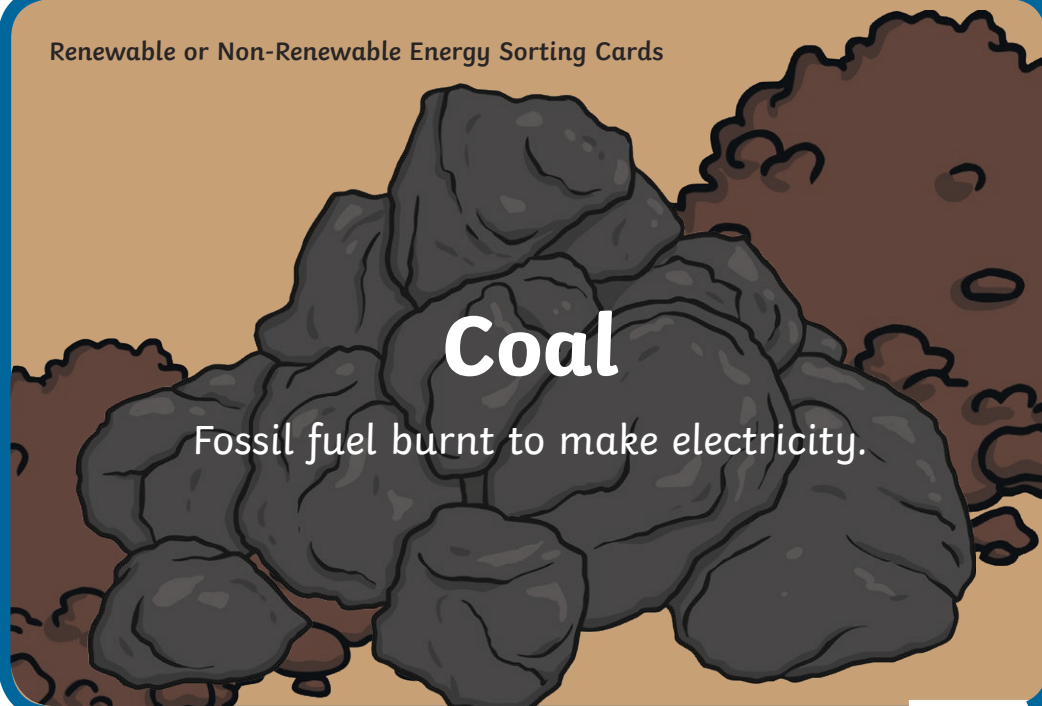
# Hydroelectricity

Moving water in rivers or the sea is used to make electricity.



# Coal

Fossil fuel burnt to make electricity.



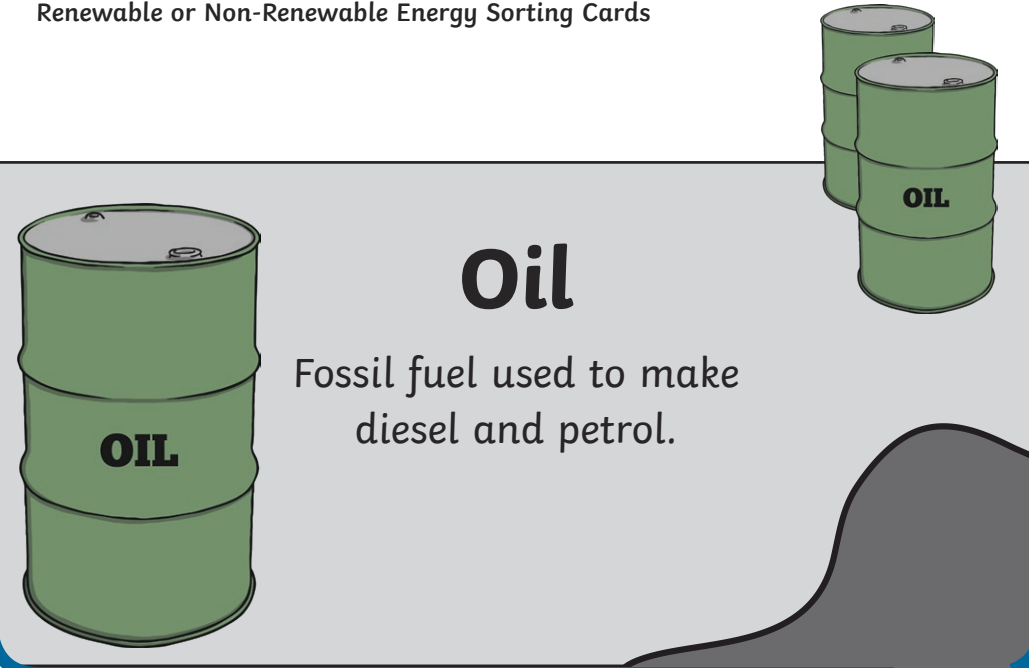
# Natural Gas

Fossil fuel used to make electricity and to burn for heat.



# Oil

Fossil fuel used to make diesel and petrol.



# Nuclear Power

The metal uranium is used to make electricity.



# Saving Energy

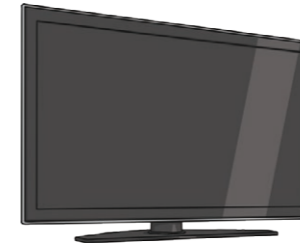
Don't leave the tap running while you wash your hands or brush your teeth.



Wear a jumper instead of turning the heating on.



Always turn off lights, televisions, computers and games consoles when you are finished.



Read a book or play a board game instead of watching television.



Recycle as much as you can- this uses much less energy than making new materials.



Walk or ride a bicycle to school instead of travelling in the car.



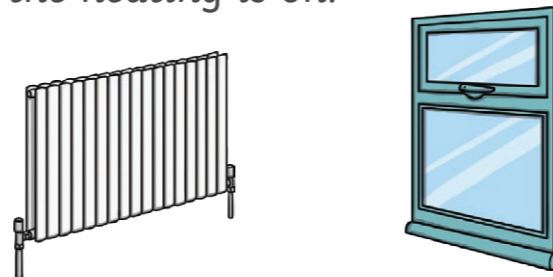
Have short showers instead of baths.



Never leave the fridge door open. Decide what you want before you open it.



Keep windows closed when the heating is on.



Encourage your friends and families to help by sharing these tips with them!



Be an Energy Expert!



# Leave the Car at Home and Walk to School!

Walking is good for your body - daily exercise helps us feel fit and healthy.

Walking is good for the environment- walking is the most environmentally friendly way to travel.

Walking can make you feel happy- walking makes you feel more positive and ready to start the day.

Walking is good for your relationships- having a walk is a great opportunity to spend quality time with family and friends.



Join us in walking to  
school all week!