

# POWER

1. Label the pictures. Use the following: *Coal power station; Geothermal power; Hydroelectric dam; Nuclear reactor; Solar farm; Wind farm*



A:

B:

C:

D:

E:

F:



2. Use the words and expressions from ex 1. in correct form to complete the texts:

Places like Iceland and Japan have hot areas under the Earth's surface. This makes it easier to heat up water to create \_\_\_\_\_.

The white smoke rising from the towers of \_\_\_\_\_ is steam from the boiling water used to turn \_\_\_\_\_.



the turbines that make electricity.

\_\_\_\_\_ turn rivers into lakes, which creates higher pressure. The weight of the water rotates turbines inside the dam.

6 grams of \_\_\_\_\_ fuel can make as much energy as 1 tonne of coal. However, the uranium used to make fuel for \_\_\_\_\_ is rare.

The energy produced from a single \_\_\_\_\_ panel is very small. \_\_\_\_\_ have large groups of panels, called arrays.

Groups of \_\_\_\_\_ turbines are called \_\_\_\_\_. They are built where there are few people and strong \_\_\_\_\_. Some are even built out at sea.

**3. Match the headings with the descriptions. Don't get confused by the missing words:**

**Fossil fuels**

The arms of ??? turbines turn when the ??? blows, which creates electricity. Modern turbines can be more than 100 m tall!

**Geothermal power**

Coal, gas and oil are ??. They are made up of squashed remains of plants and animals. When burnt, they create heat that turns water into steam which turns the turbine.

**Nuclear power**

??? flowing downhill can turn a turbine to create power. Engineers make use of this by building dams with turbine in them. ??? waves and currents can also be used.

**Solar power**

??? uses the natural heat of the ??. We can pump cold water deep under its surface, where it is so hot that it turns into the steam needed to turn a turbine.

**Water power**

??? uses a process called fission, where atoms are split apart. The heat this creates boils water to make steam, which then turns turbines to produce electricity.

**Wind power**

??? panels are made up of cells that absorb ??. The light is then turned into electricity. ??? panels work best when there is lots of ??? and hardly any clouds.

**HINT: Missing words in alphabetical order: Earth, fossil fuels, geothermal power, nuclear power, ocean, solar, sunlight, water, wind**

**4. Complete the text with suitable words – first letters are given:**

We need e \_\_\_\_\_ to run most machines from ovens to space rockets. Engineers build different structures that g \_\_\_\_\_ electricity. Most of it is made in large p \_\_\_\_\_ stations from burning fossil f \_\_\_\_\_ or using r \_\_\_\_\_ sources such as wind or water power. S \_\_\_\_\_ is created that turns a turbine, a machine with b \_\_\_\_\_ that spins so quickly it can create electricity. Electricity is t \_\_\_\_\_ from p \_\_\_\_\_ stations to homes, offices and factories through aluminum c \_\_\_\_\_. They are held above the ground by metal towers called electricity p \_\_\_\_\_.

