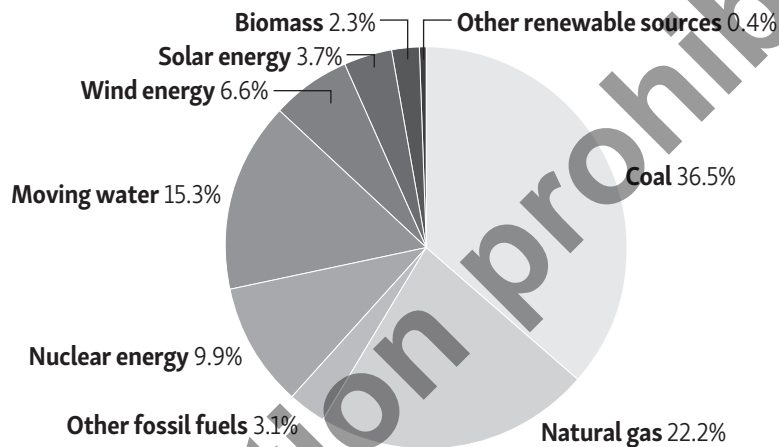


Ways of Generating Electricity

Could you live without electricity? Many objects you use every day are electrical devices. During a power outage, we quickly realize just how dependent we have become on electricity.

Electricity is generated with **primary energy** from many different natural sources, as you can see in the circle graph below. However, the basic process is almost always the same.



Watch this video to learn more about the forms of energy used to generate electricity and how the electricity then reaches your home.



Power Stations & the National Grid

Length: 3 min 36

To meet the challenge of producing clean energy, from renewable sources, some people have developed original methods of generating electricity. This second video presents one of those methods.



MSU Turns Zoo Waste into Power

Length: 1 min 55

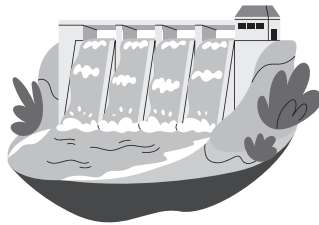
-
- Which of these substances is most commonly used to make turbines in power plants spin?

a) <input type="checkbox"/> Gas	b) <input type="checkbox"/> Water
c) <input type="checkbox"/> Water vapour	d) <input type="checkbox"/> Wind

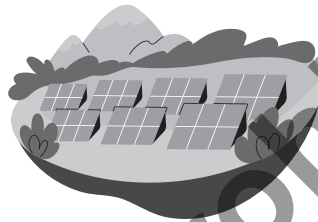
2. Complete the following text.

Most power plants operate on the same principle. _____
 from different sources is transformed into _____ to
 make turbines spin. This energy is then transformed into
 _____, which supplies our homes with power.

3. Here are pictures of different facilities that produce electricity. Write the energy source that each of the facilities uses.



a) _____



b) _____



c) _____



d) _____



e) _____



f) _____

4. One of the facilities in question 3 doesn't operate on the same principle as the others. Which facility is it? Explain your answer.

5. What are the advantages of generating electricity with animal and food waste, like the project at the Detroit Zoo?

