



How Things Move

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How do cars move?

Cars have lots of different parts but the most important part of all is the engine. The engine makes the power to turn the wheels so that the car can move. Fuel for cars is made from oil. The oil is found in oil wells deep in the ground in many countries. It's even found under the sea in some places. And then it is brought to the petrol stations.

(information found from here:
<https://www.tes.com/teaching-resource/how-do-cars-move-6354704>)



How do planes take off?

Planes have wings that feature an airfoil (aerofoil) shape, This is important as it helps overcome the effect of gravity pulling down on the plane. The wing creates lift as it moves through the air, a process that can be explained by Bernoulli's principle. Because of the airfoil shape, air flows faster over the top than the bottom, creating higher pressure underneath the wing which then pushes the plane up through the lower air pressure

(information found here:

<http://www.sciencekids.co.nz/sciencefacts/flight.html>



How do ships move?

When a propeller is rotating, it produces thrust on water. Now the thrust from propeller is transferred to the water. Since the amount of water is enormous according to Newtons Third Law, the thrust comes back to the ship and this thrust moves the ship in ahead (or astern) direction.

(information found here:

<https://www.brighthubengineering.com/seafaring/51309-how-does-a-ship-move/>

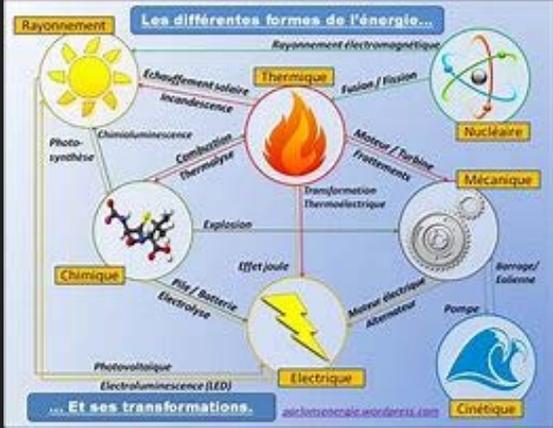
How does a bicycle work?



To ride a bicycle, the rider sits on the seat and places the feet on the pedals. The pedals are connected by a chain to the back wheel. When the rider pushes on the pedals, the back wheel turns. This moves the bicycle forward. The rider steers by turning the handlebars or by leaning.

(information found here:

<https://kids.britannica.com/kids/article/bicycle/399363>



What type of energy helps things move?

There are many types of energies like nuclear energy, thermal energy, but the energy that powers vehicles is the chemical energy. But some means of transport don't use chemical energy like the hot air balloon uses thermal energy and the bicycle uses kinetic energy.

