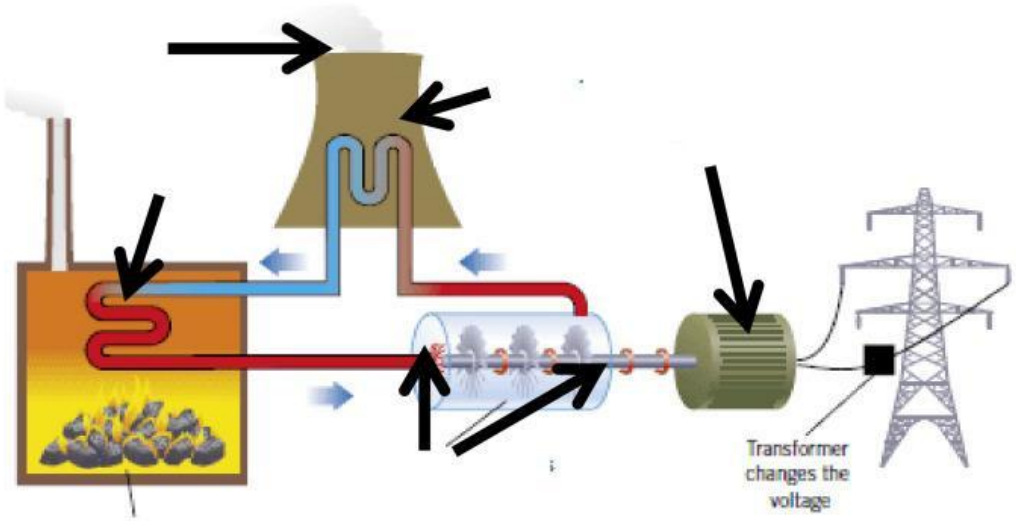
A thermal power station



turbine / steam / boiler / generator / cooling tower

Energy transfers in a thermal power plant

Part of power station	What **happens** here?	What **energy transfer** happens here?
furnace 	Coal is _____	_____ energy in the coal → _____ energy
boiler 	Water is heated and turned into _____	_____ energy → _____ energy of the moving steam
turbine 	Steam _____ on the blades of the turbine and turns it around.	_____ energy of the moving steam → _____ energy of the turbine
generator 	A coil is _____ inside a magnetic field and an electric _____ is produced.	_____ energy of the moving coil → _____ energy in wires

Use these words – they may be used more than once

pushes / kinetic / heat (or thermal) / turned / electrical / burned / steam / current / chemical

LIVEWORKSHEETS