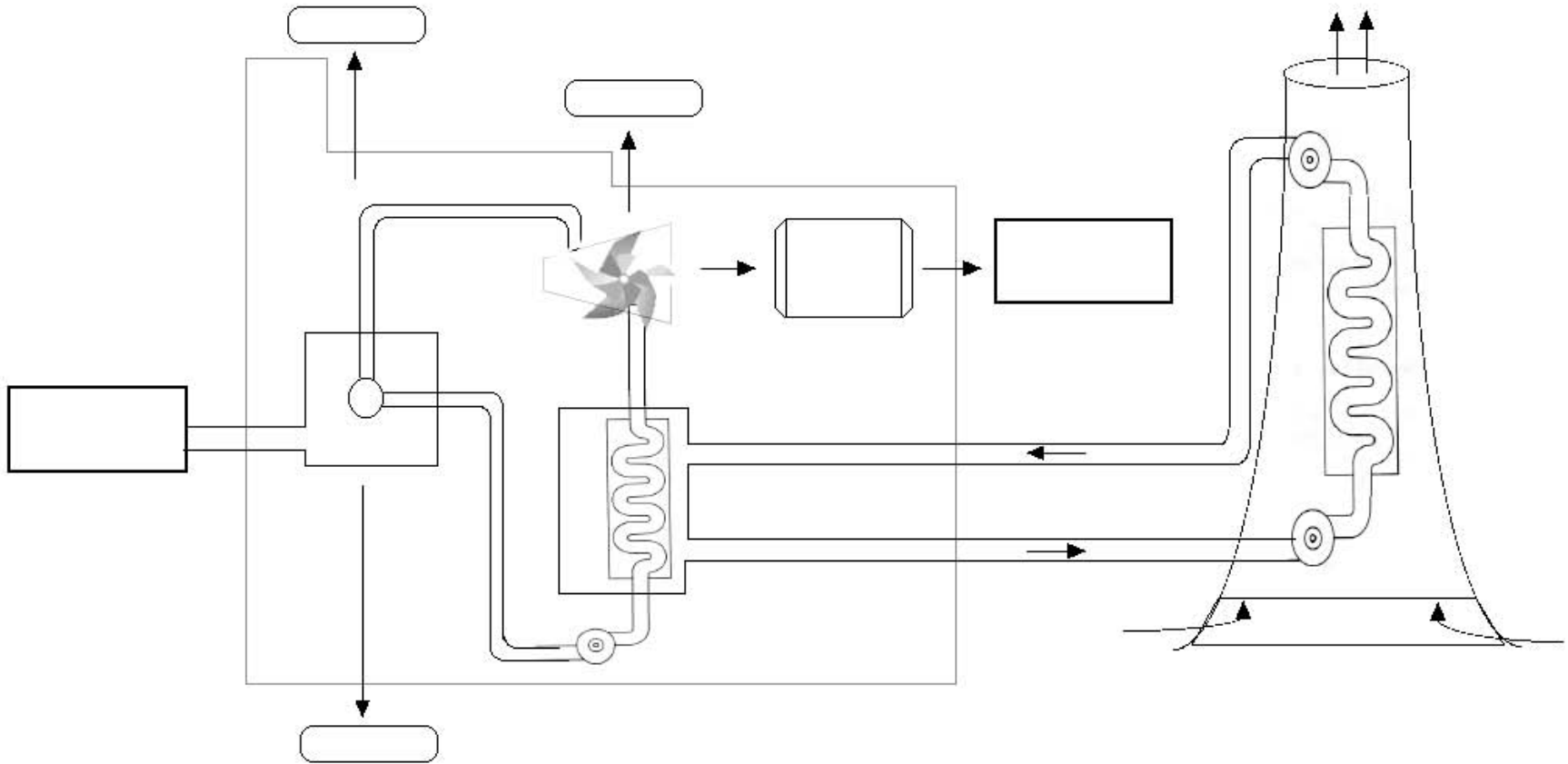


The Power Plant



How do fossil fuel, hydro, wind, nuclear, tidal, and solar therm power plants differ? How are they similar?

+/-

Completed due _____.

Source	Sustainable? Renewable?	Efficiency Cost	Primary Advantage	Major Disadvantage	H ₂ O ¹	Overall ² +/-
Active solar Solar therm Photovoltaics						
Bioconversion						
Biodiesel						
Coal						
Coal Gasification/ liquefaction						

¹ ✓ if electricity is generated by driving a turbine with highly pressurized hot water.

² Mark + if the advantages significantly outweigh disadvantages AND any disadvantages can be mitigated.

Source	Sustainable? Renewable?	Efficiency Cost	Primary Advantage	Major Disadvantage	H₂O¹	Overall² +/-
Geothermal						
Hydropower						
Natural gas						
Nuclear fission						
Nuclear fusion						
Oil shale						

Source	Sustainable? Renewable?	Efficiency Cost	Primary Advantage	Major Disadvantage	H ₂ O ¹	Overall ² +/-
OTEC						
Passive solar						
Petroleum						
Tidal						
Wind						
Wood						