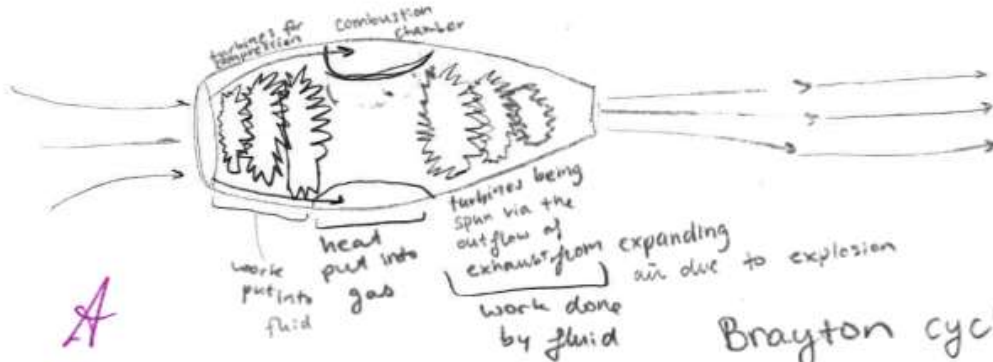


- Make a drawing of a jet engine please.
- What are two other names for this kind of cycle?:
- Label the following:
 - Where is work put INTO the fluid?
 - Where is heat put into the gas?
 - Where is work done by the fluid?



Brayton cycle,
gas engine

- Environmentalists want to replace coal with natural gas? (there's more space on the back).
 - What primarily do we humans use coal for?
 - Why is coal bad for the environment? :
 - Why does it emit more criteria pollutants?
 - Give two reasons why it emits more GHG than NG.
 - In which countries is coal use decreasing?
 - In which countries is coal use increasing?

B+/
A-

- to do what?*
- Rankine cycle. Used to heat stuff and that energy is captured in a pressurized system. Or it can be used to heat homes in some parts of the world.
 - Coal has lots of other stuff in it besides carbon, like lead and mercury which are harmful for the environment.
 - Coal is more carbon intensive than NG, as the energy it releases per gram of carbon is less. *Solid fuel → C₂ combined cycle.*
 - Coal use is decreasing in the U.S.
 - Coal use is increasing in India
-

3) Environmental Justice (EJ).

- a) Please give a counter example... describe an Environmental Injustice with regard to energy use.
b) Describe a solution to this violation of EJ.

a) Electric cars are more expensive than their gas powered counterparts. This often makes them inaccessible to the resource constrained individuals. As a result consumers of gasoline cars pay more per mile and must emit more GHG's. *not so much any more, but good argument.*

who benefits? b) Create a larger subsidy than the one already available for electric cars or create quotas for suppliers so supply increases and prices decrease.

A -