**Renewable Energy**

**I. Energy**

1. Important part: lives

2. Use: eat /travel / work / communicate

3. E. comes from: ff / RE / N / Biomass

**II. Energy sources**

1. Ff: decomposition of living material for millions of yrs.

A. Types: Coal / oil / natural gas

2. Biomass: converts plants into biometric materials: produce E

3. NE: released during N fusion

4. RE: comes from sources not depleted when used (e.g. wind or solar power)

**III. Differences**

|  |  |
| --- | --- |
| **FF** | **RE** |
| * Expensive $
* Pollute
* Can´t be reused
* Depleted within the next 50-100 years
* Produces environmental impact

FF effect:* Global warming
* Acid rain
* Oil spills
* Air quality deterioration

N/B: Biomass and N have similar issues | * Free
* Not pollute
* Can be reused
* Unlimited
* RE sources:

sunlight windraintideswavesgeothermal heat  |

**IV. Solutions**

1. Harness RE

A) No need to rely on other nations

a) This caused problems: war, famine, political instability

2. Super Grid

a) We have the technology to be 100% renewable reliant

b) bt infrastructure ff dependant = Convert infrastructure