FRACKING

Drilling down into the Earth with high pressure water breaking rock in order to release shale gas.

- LOCATION
  - UK and near national parks.

- EFFECTS/IMPACTS
  - Unknown
  - Major problems in USA.

PHYSICAL FACTORS AFFECTING HUMAN SUPPLY

- EARTHQUAKES
  - Impacted from drilling, transport.

- ECOSYSTEMS
  - Technology brand new
    - 'Risky technique'.

- REGULATION
  - Non renewable, causes pollution.
With depleting supplies of fossil fuels, companies are looking at fracking and wider range of locations which previously weren't looked at due to money and transportation.

Due to fracking being a new method of extracting gas, very little is known about the long-term effects. And shallow effects are 'incomplete'. In America there has been reports of contamination of groundwater, air pollution, earthquakes as well as health effects. So far these short-term effects have caused major issues for companies and countries trying to develop fracking.
NUCLEAR LOCATIONS

Nuclear power plants are mainly found along shorelines or near a supply of water, due to the cooling needs, in order to prevent an explosion.

TECHNOLOGICAL DEVELOPMENTS

Limitations due to technology have massively decreased since the first nuclear power plant in Russia, 1954. Lessons have been learnt over the years and health & safety improved. Improved designs being developed to make reactors built with a simpler design, improving efficiency and safety.
PREDICTIONS FOR FUTURE

- Countries coming together, COP21, to change energy resources → global warming
- Developing different resources impacts and sustainability, priority.
- Energy mixes of countries, mixes, becoming more diverse.