

GEOTHERMAL, BIOFUELS, NUCLEAR - INTERACTIVE KNOWLEDGE MAP

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INSTRUCTIONS

Include **sketches, diagrams and notes** in your answers. Click on the '4 x 4 Car' for helpful links.

1. WHAT IS GEOTHERMAL ENERGY?

2. WHAT ARE THE ADVANTAGES OF GEOTHERMAL ENERGY?

3. WHAT IS A DRY STEAM POWER PLANT?

4. WHAT IS A BINARY CYCLE POWER PLANT?

START

5. WHAT ARE BIOFUELS? Include the example of fast growing willow.

6. HOW IS ANIMAL WASTE PROCESSED INTO THE FUEL 'METHANE'? Include a stage by stage diagram.

7. HOW IS DOMESTIC WASTE CONVERTED INTO ENERGY?

8. WHAT IS ETHANOL AND HOW IS IT PROCESSED INTO A FUEL?

9. HOW IS NUCLEAR POWER GENERATED?

10. LIST TWO ADVANTAGES AND TWO DISADVANTAGES OF NUCLEAR POWER

11. HOW ARE THE THREE LEVELS OF RADIOACTIVE WASTE STORED?

12. IN YOUR OPINION, WHICH OF THE ENERGY PRODUCTION SYSTEMS YOU HAVE STUDIED, IS THE FUTURE?

FINISH

STOP