SOLAR AND WIND POWER - INTERACTIVE KNOWLEDGE MAP

INSTRUCTIONS
Include sketches, diagrams and notes in your answers. Click on the 'miners' for helpful links.

1. WHAT IS SOLAR POWER? Include a basic example.

2. HOW DOES A 'SOLAR HEAT EXCHANGER' WORK?

3. DESCRIBE THE USE OF 'PARABOLIC SOLAR COLLECTORS'.

4. EXPLAIN HOW THE ODEILLO-FONT-ROMEAU SOLAR FURNACE WORKS.

5. WHAT IS 'PHOTOVOLTAICS' ?

6. DESCRIBE A PRACTICAL APPLICATION OF 'PHOTOVOLTAICS'

7. DESCRIBE ONE PRACTICAL APPLICATION OF SOLAR CARS

8. WHAT ARE THE ADVANTAGES AND DISADVANTAGES OF SOLAR POWER?

1. DESCRIBE AND SKETCH TWO EARLY WIND POWERED DEVICES.

2. DESCRIBE AND SKETCH TWO MODERN WIND GENERATORS.

3. WHAT IS A WIND FARM? DESCRIBE THEIR LOCATION ON LAND. Include an image of a wind farm on land.

4. WHAT ARE THE ADVANTAGES AND DISADVANTAGES OF LOCATING A WIND FARM AT SEA?

5. DRAW A DIAGRAM THAT REPRESENTS THE SCALE (SIZE) OF A TYPICAL MODERN WIND GENERATOR

6. SEARCH THE INTERNET FOR IMAGES OF WIND GENERATORS. COLLECT A SELECTION OF DIFFERENT TYPES.

7. WHAT ARE THE ADVANTAGES AND DISADVANTAGES OF WIND POWER?