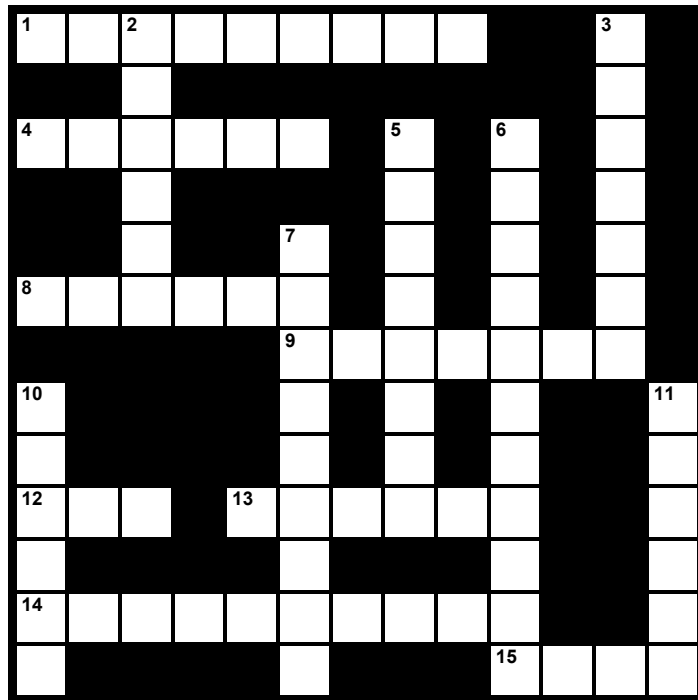


Solar_Heating_13x13_2003-12-04

B.B. Huria



Across

- 1 The flow of energy through open space via electromagnetic waves. (9)
- 4 XXXXXX
Convection:
Convection of heat through fluids that are driven by fans, blowers or pumps. (6)
- 8 XXXXXX System:
Solar heating or cooling system that requires external mechanical power to move the collected heat. (6)
- 9 XXXXXXX
Convection:
Natural movement of heat taking place when a warm fluid

risers and a cool fluid sinks under the influence of gravity. (7)

- 12 The quantity of heat needed to raise the temperature of one pound of water one degree Fahrenheit. (3)
- 13 Pipe running across the edge of a series of solar collectors, gathering the heat transfer fluid from individual collectors. (6)
- 14 Total incident solar radiation (10)

- 15 CTC stands for Crush,XXXX, Curl. (4)

Down

- 2 XXXXXX
Radiation is the solar radiation that comes straight from the sun. (6)
- 3 Unit of solar radiation; equal to one calorie per square centimeter. (7)
- 5 Electromagnetic radiation with wavelengths longer than visible light but shorter than radio waves. (8)
- 6 A liquid such as Freon that is use in

cooling devices to absorb heat from surrounding air or liquids as it evaporates. (11)

- 7 A unit used in estimating fuel requirements for heating a building. (6,3)
- 10 XXXXXX Solar Energy System: A system that uses both active and passive methods in its operation. (6)
- 11 An active metal which is used up to protect some other metal in the system against galvanic corrosion. (6)