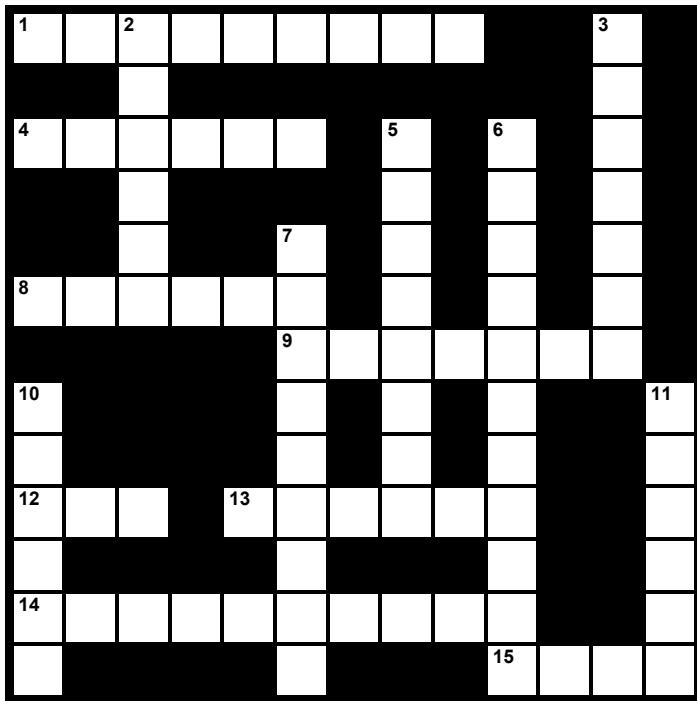


Solar_ Heating_ 13x13_ 2003-12-04

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 XXXXXX Convection: Natural movement of heat taking place when a warm fluid

rises 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

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)

15

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