What Do The House That Heats Itself and Cat's Cradle Have in Common WS

1. Read the excerpt from "Cat's Cradle".
2. Explain the thermochemical idea Michael Sykes utilized when he designed his house? You may view the video clip at http://www.sciencefriday.com/videos/watch/10007
3. Describe how the house is heated and cooled. Describe the chemistry that results in a gain or lose of heat in the home.
4. Why don't the pine wood boards used to build the house get hot as the sun shines on them during the day? How is the sun's thermal energy being used?
5. Why was Michael Sykes inspired by Kurt Vonnegut's book "Cat's Cradle"?
6. Describe how the fictitious ice nine works. Think about why Dr. Hoenikker created ice nine.
7. List 3 things that are similar between ice nine and the pine used in Michael Syke's house. Include an explanation of how they are similar.

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