

## **Lesson 39: Silicon and Silicates**

text: 831-842

what to know:

- what semiconductors are and how they work, §21-1
- doping, pigments and phosphors, §21-1
- silicates, their properties and uses, §21-2
- silicones, p-842

questions:

- 1.What are silicones?
- 2.Numbers 5, 13, 15 on page 859

## **Lesson 40: Ceramics**

text: 843-857

what to know:

- ceramics, properties and uses, §21-3, §21-4, §21-5
- superconducting ceramics, p-854 & 855

questions:

1. Discuss the chemistry of glass and cement.
2. Numbers 19, 21, 27, 39, 49 on pages 860 and 861