De Graef & McHenry chapters 3.1, 8.2-8.3.2

Study questions:
1. What is a crystal?
2. What is a lattice?
3. How is a crystal different from a lattice?
4. What is a motif?
5. What is the difference between the fcc structure and the fcc lattice?
6. What are the symmetry operations involving transformations of the first kind?
7. What are the symmetry operations involving transformations of the second kind?
8. Which rotational symmetries are allowed in crystals?
9. What is roto-inversion?
10. What is roto-reflection (mirror-rotation)?