WORKSHOP, Chapter 22

Phenols

1. Give a reasonable mechanism for each the following reactions..

$$O_2, H_2SO_4$$
 O_4
 O_4
 O_5
 O_7
 O_8
 O

2. Show how the following conversions could be carried out in a few steps. Provide structures for each intermediate that would be isolated and indicate reagents and conditions for each step.