

32 Phenol – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

32.6 An –OH group.

32.7 More acidic.

32.8 It reacts (showing it is acidic), giving sodium phenoxide and water.

32.9 No.

32.10 A white precipitate (2,4,6-tribromophenol).

32.11 A lone pair on the –OH oxygen overlaps and pushes electron density *into* the ring, making it more electron-rich. The ring then attracts electrophiles like bromine far more strongly, so it reacts readily even without a catalyst.