

# $^1\text{H}$ -NMR spectroscopy

Pre-lesson assignment – see page 520-521

## Define the following key terms

- Integration Trace

## Make notes on $^1\text{H}$ NMR spectroscopy

1. State four things that  $^1\text{H}$  NMR spectroscopy can tell us about a molecule.
2. Explain why there are three different hydrogen environments in propanal, but only one in propanone.
3. Explain why there is a difference in the two environments found in propanal.
4. Explain how the number of hydrogen atoms in the environment can be calculated.