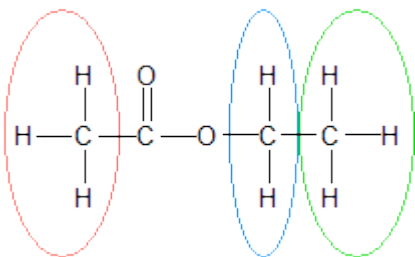


## ORGANIC WORKSHEET 05b: ANSWERS

1. Three signals.



$\text{H}_a$  (red) – Singlet with a relative integration of 3.

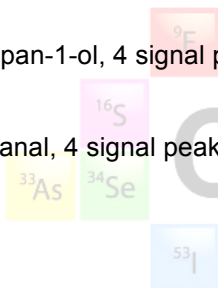
$\text{H}_b$  (blue) – Quartet with a relative integration of 2.

$\text{H}_c$  (green) – Triplet with a relative integration of 3.

2.

(a) Propan-1-ol, 4 signal peaks; Propan-2-ol 3 signal peaks.

(b) Butanal, 4 signal peaks; 2-butanone, 3 signal peaks.



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