## Year 12 Chemistry Quick Quiz: Organic Chemistry

1. Write the systematic name for:

(a)

$$CH_3-CH-CH=CH-CH_3$$
 $CH_3$ 

(b)

$$\begin{array}{cccc}
O & F \\
HO - C & \longrightarrow CH_2 - CH - CH_2 - CH_3
\end{array}$$

- 2. Write the structural formula for:
  - (a) 4-ethyl hexan-3-ol
  - (b) 2,2-dimethyl propanedial

- 3. Explain which of the compounds in question 1 would have a higher boiling point.
- 4. State which of the compounds in question 2 would be more soluble in hexane.