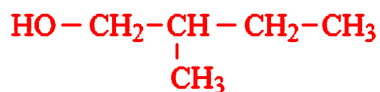


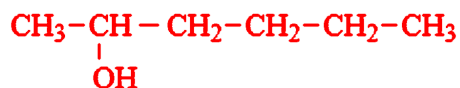
Year 12 Chemistry
Quick Quiz: Organic Chemistry

1. Write the structural formula for:

(a) 2-methyl butan-1-ol



(b) hexan-2-ol



2. For each of the compounds in question 1, state whether the hydroxyl group is primary, secondary or tertiary.

(a) **primary**

(b) **secondary**

3. For each of the compounds in question 1, name the organic product that would be formed by oxidation.

(a) **2-methyl butanal**

(b) **hexan-2-one**

4. For each of the following, state (i) what would be observed, and (ii) the inorganic product.

(a) ethanal with acidified dichromate

(i) **colour change from orange to green**

(ii) **Cr^{3+}**

(b) propanal with ammoniacal silver nitrate (Tollens' reagent)

(i) **silver mirror forms**

(ii) **Ag**