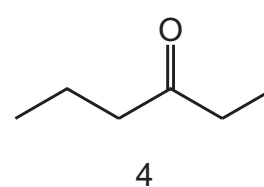
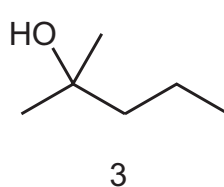
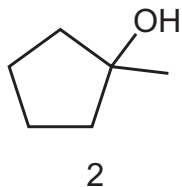
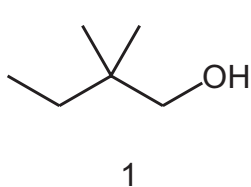


39 Some properties of compound X are listed.

- 1.0 mol X reacts with exactly 8.5 mol oxygen when completely combusted.
- X does **not** react when heated with acidified KMnO_4 .

What are the possible identities of X?



- A** 1 and 3 **B** 2 and 4 **C** 3 only **D** 4 only

32 Which reaction mixture produces a primary alcohol as the major product?

- A** propanone with NaBH_4
- B** propene with steam in the presence of H_3PO_4
- C** butanoic acid with LiAlH_4
- D** ethene with hot concentrated acidified KMnO_4