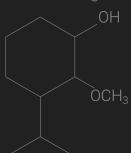
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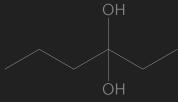
Thursday, Dec 3 - Quiz 22

1. The following is an example of what class of alcohol?



- ⊳ a 1° alcohol
- ▷ a 2° alcohol
- ▷ a 3° alcohol
- ▷ a diol
- 2. What is the name of the following molecule?

- ▷ 2-isopropyl-6-hydroxycylohexyl methyl ether
- ▷ 3-isopropyl-2-methoxycyclohexanol
- $\, \triangleright \, \, \text{1-isopropyl-3-hydroxy-2-methoxycyclohexane} \\$
- ▷ 5-isopropyl-6-methoxycyclohexanol
- 3. What is the name of the following molecule?



- ▷ dihydroxyhexane

- ▶ 4,4-hexanediol

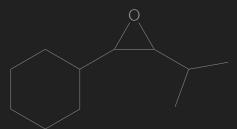
4. What is the name of the following molecule?



- a. butyl isopropyl ether
- b. 1-isopropylbutane
- c. 2-butoxypropane
- d. 2-methyl heptyl ether
- ▷ a and b
- ▷ b and c
- 5. Arrange the following in order of increasing solubility in water.

butanol, diethyl ether, 1,2-butanediol, hexane

- ▷ hexane < diethyl ether < butonal < 1,2-butanediol</p>
- ▷ hexane < butanol < diethyl ether < 1,2-butanediol</p>
- ▶ 1,2-butanediol < butanol < diethyl ether < hexane</p>
- 6. What is the name of the following molecule?



- a. 1-cyclohexyl-3-methylepoxyburtane
- b. 1-cyclohexyl-2-isopropylcyclopropoxide
- c. 1-cyclohexyl-2-isopropylorirane
- ⊳ a and b
- ▷ a and c