

Name: _____

Worksheet: Polarity

1) Apply the *like dissolves like* rule to predict which of the following liquids is *immiscible* with water.

A) acetic acid, CH_3COOH

B) methanol, CH_3OH

C) acetone, $\text{C}_3\text{H}_6\text{O}$

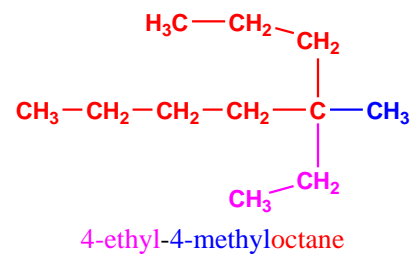
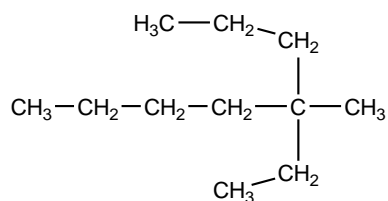
D) all of the above

E) none of the above

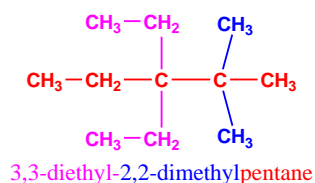
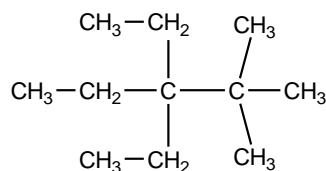
Answer: E

2) Give the name of the following hydrocarbon

a)



b)



3) Draw the structure for:

4-ethyl-2, 3-dimethyloctane

