

1. Aşağıdakilerden hangisi suda iyi çözünmez?

- A) CH₄ B) SO₂ C) NH₃
D) HCl E) Cl₂O

2. Su polar bir bileşiktir.

Buna göre, aşağıdakilerden hangisi suda iyi çözünür?

- A) $\begin{array}{c} \text{H} \\ | \\ \text{H}-\text{C}-\text{H} \\ | \\ \text{H} \end{array}$ B) $\begin{array}{c} \text{H} \quad \text{H} \\ \diagdown \quad \diagup \\ \text{B} \\ | \\ \text{H} \end{array}$ C) $\begin{array}{c} \ddot{\text{N}} \\ | \\ \text{H}-\text{N}-\text{H} \\ | \\ \text{H} \end{array}$
D) $\ddot{\text{O}}=\text{C}=\ddot{\text{O}}$ E) $\begin{array}{c} \ddot{\text{O}}: \\ | \\ \text{S} \\ // \quad \backslash \\ \ddot{\text{O}} \quad \ddot{\text{O}} \end{array}$

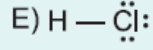
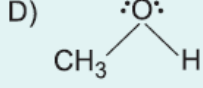
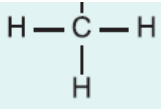
3. Aşağıda çözücü ve çözünen maddeler verilmiştir.

Buna göre, verilen çiftlerden hangi seçenekteki çözünme diğerlerinden daha azdır?

Çözünen	Çözücü
A) NaCl	$\begin{array}{c} \ddot{\text{O}}: \\ \\ \text{H}-\text{O}-\text{H} \end{array}$
B) $\begin{array}{c} \ddot{\text{N}} \\ \\ \text{H}-\text{N}-\text{H} \\ \\ \text{H} \end{array}$	$\begin{array}{c} \ddot{\text{O}}: \\ \\ \text{H}-\text{O}-\text{H} \end{array}$
C) $\begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{H} \\ \\ \text{H} \end{array}$	$\begin{array}{c} \ddot{\text{O}}: \\ \\ \text{H}-\text{O}-\text{H} \end{array}$
D) $\begin{array}{c} \ddot{\text{O}}: \\ \\ \text{CH}_3-\text{O}-\text{H} \end{array}$	$\begin{array}{c} \ddot{\text{O}}: \\ \\ \text{H}-\text{O}-\text{H} \end{array}$
E) $\begin{array}{c} \text{H} \quad \text{H} \\ \diagdown \quad \diagup \\ \text{B} \\ \\ \text{H} \end{array}$	$\begin{array}{c} \ddot{\text{Cl}}: \\ \\ \ddot{\text{Cl}}-\text{C}-\ddot{\text{Cl}}: \\ \\ \ddot{\text{Cl}}: \end{array}$

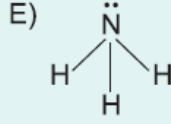
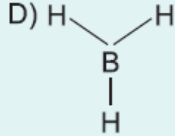
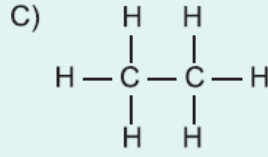
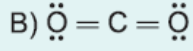
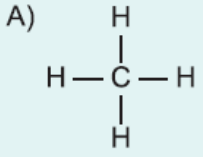
4. Su ile aşağıdaki çözünenlerden hangisi hidrojen bağı kurar?

- A) $\begin{array}{c} \text{H} \\ | \end{array}$ B) $\ddot{\text{O}}=\text{C}=\ddot{\text{O}}$ C) $\text{H}-\text{C}-\text{H}$



5. Polar maddeler polar çözücülerde, apolar maddeler ise apolar çözücülerde iyi çözünür.

Buna göre apolar bir madde olan benzende aşağıdakilerden hangisi iyi çözünmez?



6. NH_3 sıvısında,

I. CF_4

II. HCl

III. $\text{C}_2\text{H}_5\text{OH}$

verilen maddelerden hangilerinin iyi çözünmesi beklenir?

A) Yalnız I

B) I ve II

C) I ve III

D) II ve III

E) I, II ve III

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Cevaplar :

1)A, 2)C, 3)C, 4)D, 5)E, 6)D,