Key

Topic 4 Review Questions

| 1 | Na ₂ CO ₃ | contains bith coval MgBr ₂ | | onds? Sodiu | | СООН | |
|-------------|---|--|----------------------|-----------------------|---------------|---------------------|---|
| | sodium carbonate | , magnesi | um bromide, | dichlorome | ethane, | ethanoic acid | |
| E | Sodium carbonate S.magnesium bromic C.dichloromethane C.ethanoic acid | de | | | | | |
| (A) | 2. Which pair of elem A.Li and Cl 3.Ca and S P and O D.Zn and Br | ents is most likely | to form a coval | ently bonded | d compound? | | |
| (A) | 1. Given the following 3.5 F: 4.0 1.0-H in H2O 3.5-3 3.N-O in NO2 3.5-3 3.N-F in NF2 4-3 3.N-H in NH3 3-2. | 22:1.3 3=.5 =1 | s, which bond w | vould be the | most polar? | H: 2.2 N: 3.0 O: | |
| . (A) | When CH ₄ , NH ₃ CO CH4, NH3, H2O 3.NH3, CH4, H2O 3.NH3, H2O, CH4 3.H2O, NH3, CH4 | ind H ₂ O ar Be | e arrang iliy. Pt | ed in o | order of | ' <i>incr</i> easin | 5 |
| B | . When the H-N-H b increasing bond ar NH2- < NH3 < NH4 NH4+ < NH3 < NH5 NH3 < NH2- < NH4 | ngle (smallest bond H 2- I+ | | nich order is | correct? | ed in order of | |
| A B C | . In which of the folk .F2, Cl2 .C2H6, C3H8 .H2O, H2S .CH3OCHE, CH3CH | | e second subs | tance ha v e t | he lower boil | ing point? | |
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