



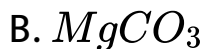
# CHEMISTRY

## AAKASH INSTITUTE ENGLISH

### MOCK TEST 23

#### Example

1. The most thermally unstable carbonate among the following is





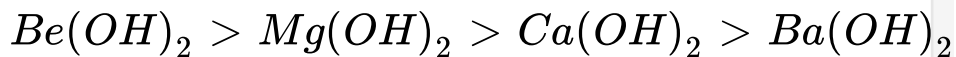
**Answer: C**



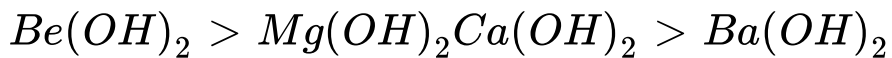
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2. The basic character of the alkaline earth metal hydroxides is as follows:

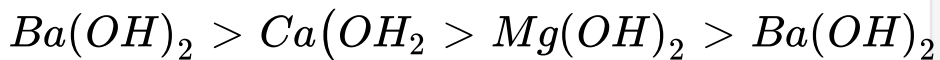
A.



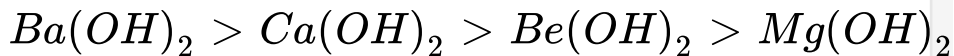
B.



C.



D.

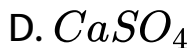
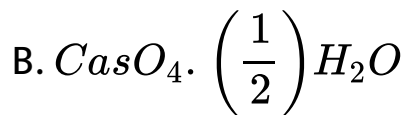
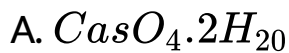


**Answer: C**



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**3. Dead burnt plaster is**

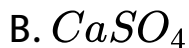
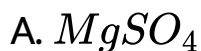


**Answer: C**



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4. Which of the following is least soluble in water?



C.  $\text{BeSO}_4$

D.  $\text{BaSO}_4$

**Answer: D**



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5. Hydrolith is

A.  $\text{CaH}_2$

B.  $\text{Ca}(\text{OH})_2$

C.  $\text{CaCO}_3$

D.  $\text{CaSO}_4$

**Answer: A**



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**6.** Select the incorrect statement about beryllium and aluminium?

A. Chlorides of beryllium and aluminium are soluble in organic solvents

B. Beryllium and aluminium hydroxides are soluble in excess of alkali

C. Chlorides of beryllium and aluminium are strong lewis acids

D. Aluminium and beryllium readily react with mineral acid to give hydrogen gas

**Answer: D**



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7. CaO does not react with

A.  $SiO_2$

B.  $P_4O_{10}$

C.  $CO_2$

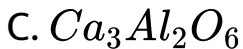
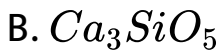
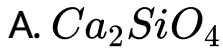
D.  $MgO$

**Answer: D**



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8. Which is not considered as a constituent of portland cement?



**Answer: D**



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9. The alkaline earth metal ion present in chlorophyll is among the metal

A. Ca

B. Mg

C. Be

D. Ba

**Answer: B**

10. Concentration of Ca ion in blood plasma is (approximately)

A.  $10\text{mgL}^{-1}$

B.  $100\text{mgL}^{-1}$

C.  $50\text{ mg L}^{-1}$

D.  $25\text{mgL}^{-1}$

**Answer: B**



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11. Which of the following metals do not combine directly with hydrogen gas to form hydride?

A. Mg

B. Ca

C. Be

D. Sr

**Answer: C**



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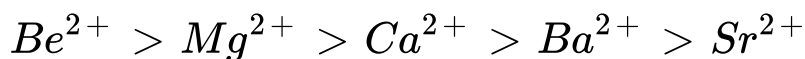
12. Which is incorrect physical property order for the given alkaline earth metals?

A. Metallic radius :  $Ba > Sr > Ca > Mg > Be$

B. Reducing nature :  $BaSr > Ca > Mg > Be$

C. Density :  $Ba > Sr > Be > Mg > Ca$

D. Negative hydration enthalpy :

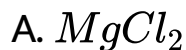


**Answer: D**



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13. Which of the following chlorides is covalent ?



**Answer: C**



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14. The compound which is not formed on heating



A.  $N_2O$

B.  $O_2$

C.  $NO_2$

D. BeO

**Answer: A**



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