

Ques-4

In the solid-state structure of spinel, $MgAl_2O_4$

- <a> the Mg^{2+} ions are in tetrahedral sites surrounded by O^{2-} ions.
- the Al^{3+} ions are in tetrahedral sites surrounded by O^{2-} ions.
- <c> the Mg^{2+} ions are in octahedral sites surrounded by O^{2-} ions.
- <d> both the Mg^{2+} and Al^{3+} ions are in octahedral sites surrounded by O^{2-} ions.

Answer-

<a>