

The increasing order of atomic radii of the following Group 13 elements is

(2016 Adv.)

- (a) $\text{Al} < \text{Ga} < \text{In} < \text{Tl}$
- (b) $\text{Ga} < \text{Al} < \text{In} < \text{Tl}$
- (c) $\text{Al} < \text{In} < \text{Ga} < \text{Tl}$
- (d) $\text{Al} < \text{Ga} < \text{Tl} < \text{In}$

Due to poor shielding of *d*-orbital in Ga, atomic radius of Ga is smaller than that of Al. Thus, $\text{Ga} < \text{Al} < \text{In} < \text{Tl}$.