

- 1 Of the diatomic molecules H_2^+ , H_2 and H_2^- , which has/have the highest bond order? Assume each molecule has its most stable electronic arrangement.
 - A H_2^+
 - B H_2
 - C H_2^-
 - D H_2^+ and H_2^-
- 2 Of the diatomic molecules H_2^+ , He_2^+ , and He_2 , which has/have the highest bond order? Assume each molecule has its most stable electronic arrangement.
 - A H_2^+
 - B He_2^+
 - C He_2
 - D H_2^+ and He_2^+
- 3 Of the diatomic molecules H_2 , Li_2 , and Be_2 , which has/have the highest bond order? Assume each molecule has its most stable electronic arrangement.
 - A H_2
 - B Li_2
 - C Be_2
 - D H_2 and Li_2
- 4 Of the diatomic molecules H_2 , Li_2 , and Be_2 , which is/are the most stable? Assume each molecule has its most stable electronic arrangement.
 - A H_2
 - B Li_2
 - C Be_2
 - D H_2 and Li_2