1. Of the diatomic molecules H2+, H2, and H2-, which has/have the highest bond order?
Assume each molecule has its most stable electronic arrangement.
   A. H2+
   B. H2
   C. H2-
   D. H2+ and H2-

2. Of the diatomic molecules H2+, He2+, and He2, which has/have the highest bond order?
Assume each molecule has its most stable electronic arrangement.
   A. H2+
   B. He2+
   C. He2
   D. H2+ and He2+

3. Of the diatomic molecules H2, Li2, and Be2, which has/have the highest bond order?
Assume each molecule has its most stable electronic arrangement.
   A. H2
   B. Li2
   C. Be2
   D. H2 and Li2

4. Of the diatomic molecules H2, Li2, and Be2, which is/are the most stable? Assume each
molecule has its most stable electronic arrangement.
   A. H2
   B. Li2
   C. Be2
   D. H2 and Li2