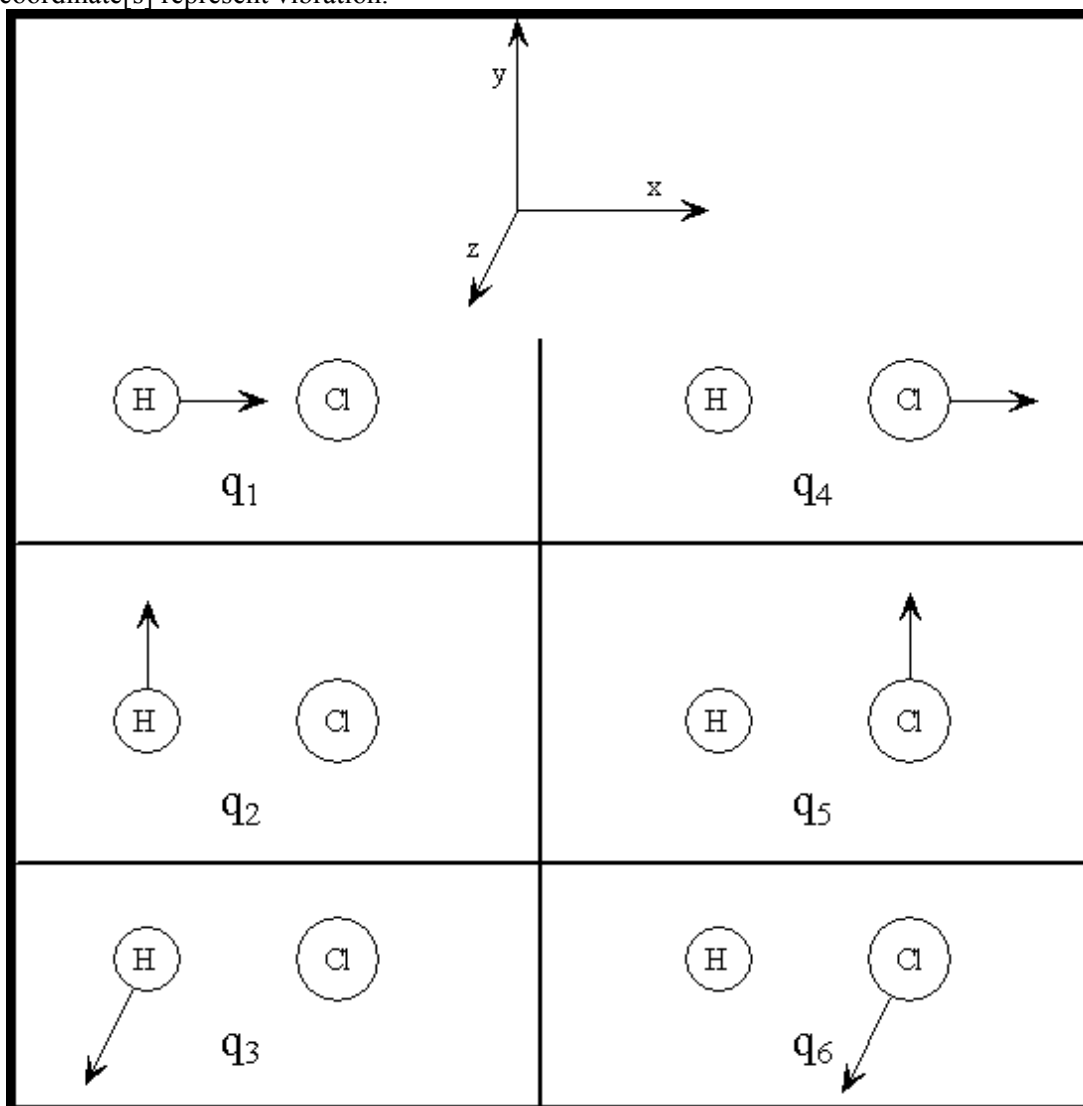


Use the diagram of Cartesian displacement coordinates below to determine which normal coordinate[s] represent vibration.



- a.  $q_1 + q_4$
- b.  $q_2 + q_5$
- c.  $q_3 + q_6$
- d.  $q_1 - q_4$
- e.  $q_2 - q_5$
- f.  $q_3 - q_6$