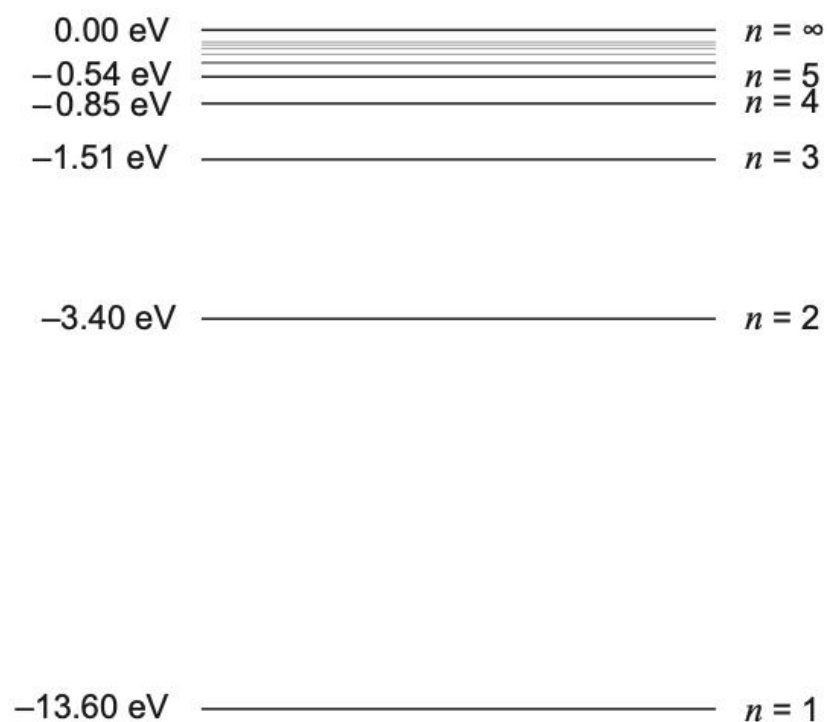


Question 1**(4 marks)**

Some energy levels, n , for hydrogen atoms are shown in the diagram below.



Electrons with 12.2 eV of energy are incident on the hydrogen atoms. Calculate the energies of all scattered electrons in eV.

Answer _____ eV