

- 1) Calculate the magnitude of the electric force between two charges ($q_1=q_2=+0.707\text{nC}$) at a distance of $r=0.5\text{m}$. Draw in which direction the force acts on each of the charges.



- 2) What is the strength and direction of the electric field of a surface (S), if an electron is repelled of it upwards with the force of $F=800 \cdot 10^{-20}\text{ N}$?

