

- 12 Charged particles experience forces in an electric field. Current-carrying wires can experience a force in a magnetic field.

Sketches P and Q show the forces F acting on charged particles in an electric field.

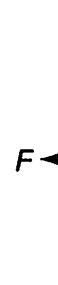
Sketches R and S show the forces F acting on current-carrying wires in a magnetic field.



P



Q



R



S

electric fields on charges

magnetic fields on currents

Which row in the table correctly identifies the charged particles and direction of the currents in the wires?

	charge on P	charge on Q	current in R	current in S
A	positive	negative	into the page	out of the page
B	positive	negative	out of the page	into the page
C	negative	positive	into the page	out of the page
D	negative	positive	out of the page	into the page