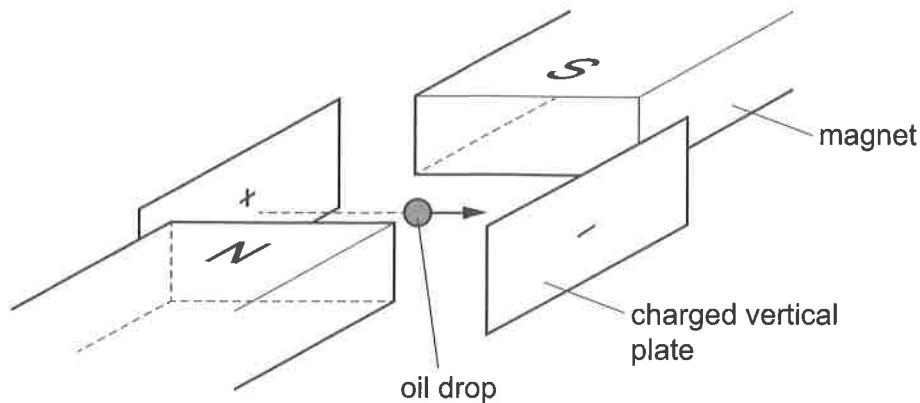


- 11 A magnetic field is created using two bar magnets. Two charged vertical plates are placed near the magnets as shown.

A charged oil drop moves in a horizontal straight line at constant speed in the air between the two plates.



Which equation about the magnitude of the forces acting on the charged oil drop must be correct?

- A air resistance = gravitational force
- B air resistance = magnetic force
- C electric force = magnetic force
- D gravitational force = magnetic force

- 12 The graph shows the variation with extension x of the load F on a spring.