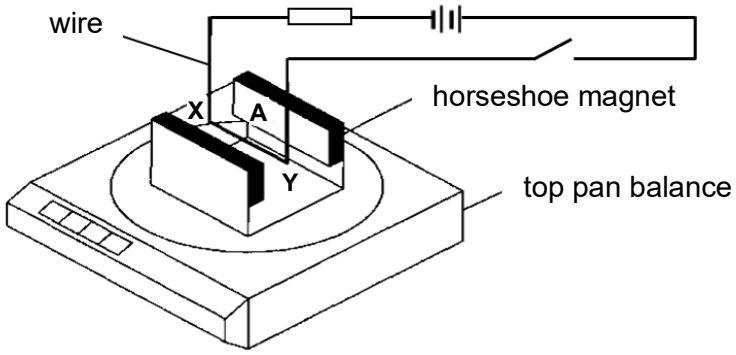
21 A horseshoe magnet rests on a top-pan balance with a wire XY suspended between the poles of the magnet. The wire is not in contact with the horseshoe magnet and is a part of the circuit as shown. When the switch is closed, the reading on the balance increases.



Which one of the following correctly gives the direction of the magnetic force on wire XY and the magnetic pole of face **A** of the horseshoe magnet?

	direction of magnetic force on wire XY	magnetic pole of face **A** of the horseshoe magnet
A	upwards	North pole
B	upwards	South pole
C	downwards	North pole
D	downwards	South pole