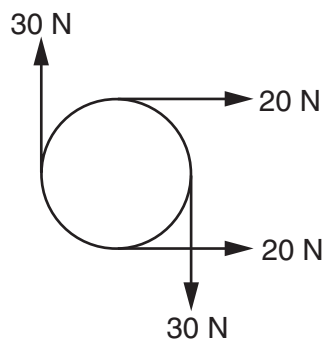


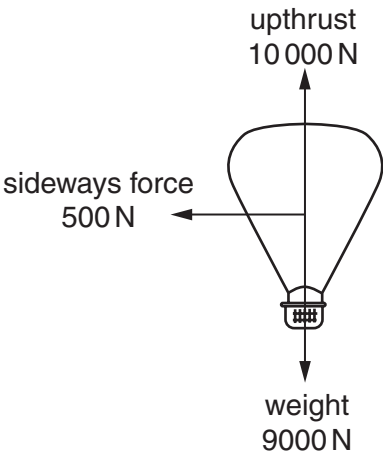
13 The diagram shows four forces applied to a circular object.



Which of the following describes the resultant force and resultant torque on the object?

	resultant force	resultant torque
A	zero	zero
B	zero	non-zero
C	non-zero	zero
D	non-zero	non-zero

14 A balloon is acted upon by three forces, weight, upthrust and sideways force due to the wind, as shown in the diagram.



What is the vertical component of the resultant force on the balloon?

- A 500 N      B 1000 N      C 10 000 N      D 10 500 N