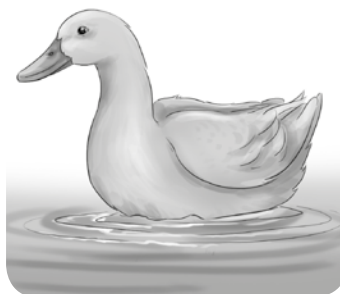


# Resultant forces

A duck is moving across a lake at a constant velocity.

- a Add labelled arrows on the picture below to show the vector forces acting on the duck. (3 marks, ★★☆☆)



upthrust	air resistance	friction	weight	thrust
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- b The duck needed to accelerate to catch a tasty piece of bread.

Describe and explain how these force vectors change. (4 marks, ★★★★★)

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