

- 26.** A boat is travelling at a steady speed in a straight line across the surface of a lake.

Which statement about the boat is correct?

- A** The resultant force on the boat is in the direction of motion.
- B** The resultant force on the boat is in the opposite direction to its motion.
- C** The resultant force on the boat is vertically downwards.
- D** The resultant force on the boat is zero.

- 27.** A ball of weight 1.2 N drops through the air at terminal velocity.

A sudden gust of wind exerts a horizontal force of 0.5 N on the ball from the left.

Which diagram shows the resultant force on the ball while the wind is blowing?

