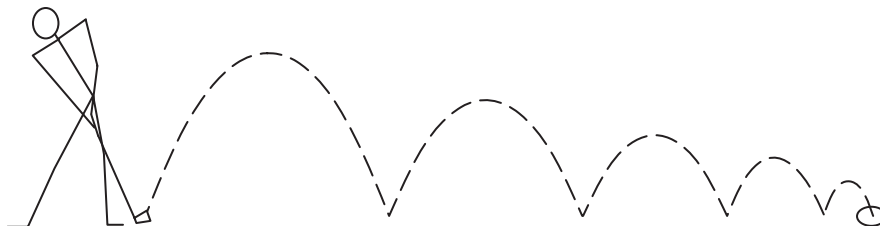


Answer ALL questions.

- 1** A golfer hits a golf ball and it bounces into the hole.



- (a) Use words from the box to complete the sentences below.

Each word may be used once, more than once, or not at all.

chemical	elastic	electrical	gravitational	kinetic
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- (i) Each time the golf ball moves upwards, it gains potential energy.

(1)

- (ii) Each time the golf ball hits the ground it changes shape and energy is stored as potential energy.

(1)

- (iii) When the golf ball is moving it has energy.

(1)

- (b) Each time the ball hits the ground, energy is transferred away from the ball.

- (i) How can you tell this from the diagram?

(1)

- (ii) Describe what happens to the energy that is transferred.

(1)

(Total for Question 1 = 5 marks)

