Everyday forces poster

Sheet 9



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The force required to make the golf ball move is called **push**.

A golf ball is used in the game ‘golf’. Players use a golf club to hit the ball with the goal of getting it into a hole. The player who can get the golf ball around the course with the least amount of strikes with the golf club is the winner.

When a pushing force from the club is applied to the ball, it moves forward when friction is overcome. The amount of push force required to move the ball depends on how far the ball needs to go. If the hole is close, the player needs to apply only a small amount of push force to the ball to overcome the friction and move the ball a short distance.

Another factor that may affect the motion of the golf ball is the condition of the green. The green may be long grass, freshly mowed grass, covered in water or dew. If the ball is in longer grass, the player will need to apply more force to the ball to overcome the friction from the grass and move the ball the required distance. If the ball is on a smoother surface, like freshly mowed grass, it will require less push force to overcome the friction and move the ball.