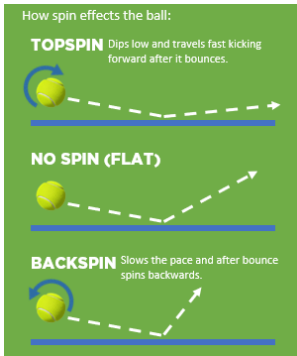


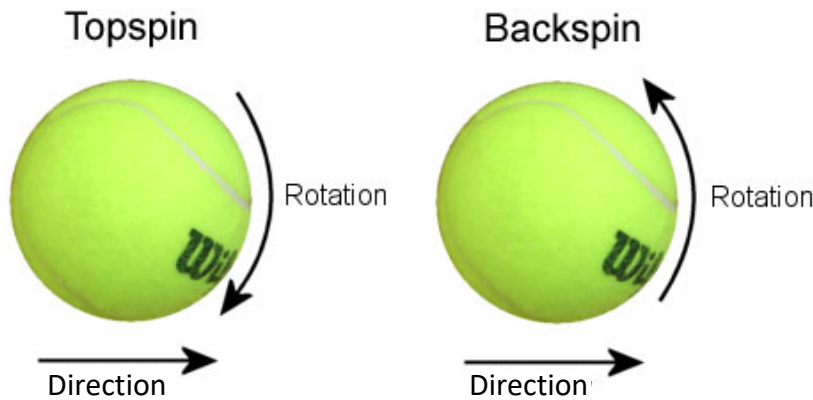
SPIN IN TENNIS

Spin is important in tennis as it affects the balls trajectory and bounce.



Lots of things can impact how much spin is made. From the direction and angle you hit the ball at, string tension, ball material; things that provide friction.

The more grip the surfaces have the more friction can be created.



SPIN: to turn or cause to turn round and round rapidly.
(Verb)

FRICTION: is the resistance of motion when one object rubs against another. To stop or change or the motion.
(Verb)

THINGS THAT SPIN

Find things in your house that spin.

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____

OBJECTIVE

Discover what happens to a ball with backspin when it lands or bounces.

You can use any ball for this experiment. A basketball, tennis ball, sponge ball or even a bouncy ball.

If you have a racquet and ball do the same experiment hitting up or brushing down on the ball.

First throw the ball normally. Observe what happens after the ball bounces.

Next, when you throw the ball roll your fingers down on the ball creating backspin. Answer the question below.

Record your findings.

What happens to the ball when you apply backspin?
