Do you know, the reason golf balls have honeycomb shaped dents?

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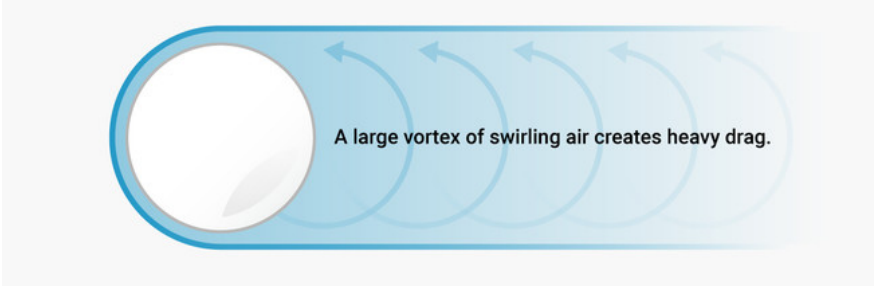
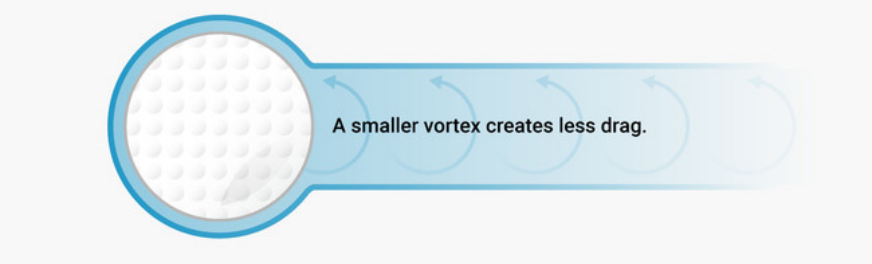
Read the article below to get an answer to this question.

Let's try to imagine a ball with a smooth surface.

When the ball flies away, the surface of the ball will come in direct contact with the air and cause the air to turn off, slipping into the back and spilling into the space the ball has just formed. It is this air that creates a barrier that slows down the ball and cannot fly far.



To minimize this resistance, experts used the ball with a honeycomb shaped structure. Dents can create a thin layer of air that adheres to the surface of the ball, making it easier for the air to move around it, the space the ball forms smaller. This means that the drag on the ball also decreases.



According to Tom Veilleux and Vince Simonds, aerodynamics expert at Top-Flite Golf, the honeycomb-shaped structure can reduce drag on the ball by at least half.

In addition, those dents also work to make the ball fly more easily. With the ball having a smooth surface, it will fly in a vortex way, causing the air pressure to be larger at the bottom and simultaneously creating a top-down thrust. As for golf balls with concave structure, only half of the vortex force is able to fly with the same distance.

1. Why do dead fish face up on their stomachs floating on the water?
2. Why do so many skyscrapers in Hong Kong have holes in the middle?