

SKILL 1 - UNDERSTANDING

CHAPTER 3: FORCES & PRESSURE

Diagram 3 shows the cross-section of a wing of a moving aeroplane. A lifting force is exerted on to the wing.

Name the shape of the cross section shown in Diagram 3.

Explain how the lifting force is produced.

1. The velocity of air is and the air pressure is at the top of the aerofoil.

2. The velocity of air is and the air pressure is at the bottom of the aerofoil.

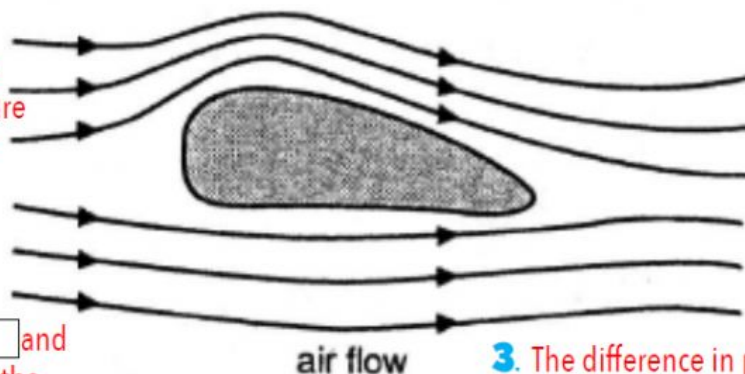


Diagram 3

3. The difference in pressure produces a