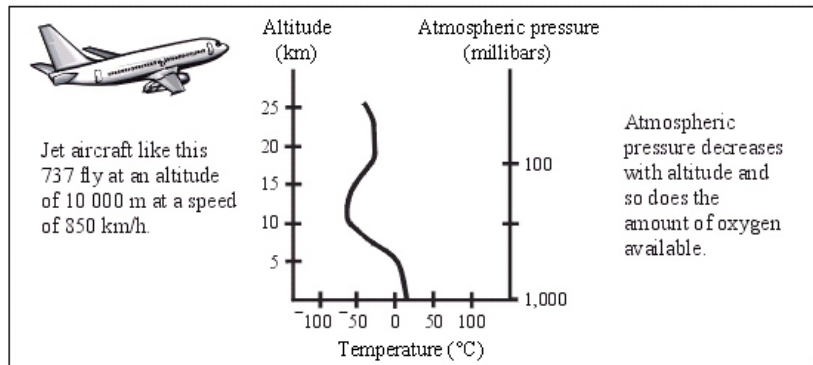


Jet travel

This task is about flight.

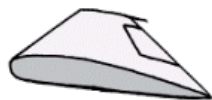


a) Jet aircraft have pressurised cabins when flying at 10 000 m. Give **two** reasons why the conditions inside the plane need to be different from the conditions found outside the plane.

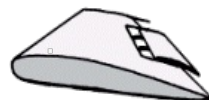
1.

2.

b) In some areas around the world, there are strong winds known as jet streams. These winds can move at 290 km/h. Why do aircraft sometimes choose courses (flight paths) to fly with these winds?



normal wing



wing with flap down

c) When an aircraft lands, the pilot moves some parts of the wing down like in the diagram. Why is this done?

d) What is the name of the force which planes need to overcome to take off and get into the air?