

## Pascal's law

### Worksheet 3

Adapted from: <https://www.youtube.com/watch?v=VxLTDtaRCZk>

#### LISTENING EXERCISE – fill in the gaps while listening.

1. Pascal's law was formulated by Blaise Pascal to describe the effects of .....within liquids.
2. The law states that the pressure exerted anywhere in a mass of ..... liquid is transmitted undiminished in all directions throughout the liquid.
3. We know that a car slows down and stops when we ..... brakes
4. The basic idea behind any ..... system is very simple. The force applied at one point is ..... to another point incompressible fluid.
5. Two pistons are fitted into two ..... cylinders filled with oil .
6. If you apply a downward force on one of the pistons then the .....is transmitted to the second piston through the oil in the pipe.
7. When the brakes are applied the .....pedal is pushed due to which pressure has exerted on the fluid in the master cylinder
8. Hope you will ..... this the next time you see a driver applying brakes.