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#fluidmechanics normal
shock wave//relation
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M\*2

Shock waves<del>Supersonic</del>
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speed in GD: Gas dynamics lectures Fundamentals Of Gas **Dynamics Solutions** gas constant and the ratio of specific heats of oxygen. The units are: pressure N/m2, temperature K, area m2 and mass flow rate kg/s. Assuming that the temperature of the oxygen in the bottle does not change with Page 9/26

time, determine the time it takes to reduce the pressure to one half of its initial value.  $\square$ =0.1 m3 p1 =10 MPa T1 =293K =T2 p2 =5 MPa kg K J

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in the solution will change the color into brick red. A positive benedict stest forms a reddish precipitate within three minutes.

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