

# Hydraulics & Pneumatics

## Chapter 1: Hydraulics (QUIZ #1)

by

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# Outcome

- To evaluate student understanding on the basic hydraulic topic.

# Answer the following questions with TRUE or FALSE:

1. Hydrostatics is the power transmitted by increasing the pressure energy of liquid (T/F).
2. Hydraulic system has better energy storage compare with pneumatic (T/F).
3. Hydraulic system is better than pneumatic in term of faster speed of movement (T/F).

# Answer the following questions with TRUE or FALSE:

4. Flowrate is a measure of pipe area multiply with the distance of fluid flow (T/F)
5. Pascal's law is also known as principle of fluid-force principle (T/F)
6. For hydraulic system efficiency, laminar flow is preferable (T/F)

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# Answer the following questions with TRUE or FALSE:

10. Oil-in-water fluid is highly fire-resistance, good lubricity and highly incompressible (T/F)
11. The function of baffle in the tank is to reduce the flowrate of return fluid (T/F)
12. Hydrodynamic pump is also known as rotodynamic pump (T/F)