

CHECK AND REFLECT

1. Describe how pressure is transferred in a fluid.
2. If 10 N of force is applied to an area of 1 m^2 , what is the pressure?
3. What is the difference between a hydraulic and a pneumatic system?
4. A hydraulic lift has 1000 N applied to an input piston that has an area of 30 cm^2 .
 - a) What is the pressure exerted on the liquid by the input piston?
 - b) If the force were doubled, what would be the pressure?
 - c) If the area were reduced to 15 cm^2 , what would be the pressure?