

Science 8

TOPIC 7: Fluid Pressure Wednesday November 12th

1. What are the units used to measure pressure?
2. Why can people lie on a bed of nails without getting hurt?
3. Why could a person not lie on a single nail?
4. What is an example of where an area of contact has been increased to reduce pressure?
5. What is an example of where an area of contact has been decreased to increase pressure?
5. Why can you compress a gas but not a solid or a liquid?
6. How is the lack of compressiveness in liquids used in industry?
7. Complete the table below including the ()

Mass ()	Gravity ()	Force ()	Area ()	Pressure ()
54			23cm x 8cm	
12			4cm x 9cm	
0.6			4792 cm ²	
121			6 cm x 0.4 m	
8			23741 cm ²	