model questions on chapter 11 pressure

1. The unit Pascal Pa is the same as the units of	**Nm^{-2}**
2. Force exerted per unit area is called	**pressure**
3. The pressure increases as the area of the body	**decreases**
4. The density is mass divided by	**volume**
5. The unit of density is	**Kgm^{-3}**
6. The density of the body is proportion to its volume	**Inversely**
7. According to Pascal principle, " ……. applied on a fluid is transmitted equally in all directions"	**Pressure**
8. A force of 2000 N acts on a body of area 2.5 m^2. The presuure exerted on the body is	**800Pa**
9. The pressure difference between any two points in a liquid is given by	**$\Delta P=h.g.\rho$**
10. Barometer is a pressure measured device used to measure	**Atmospheric pressure**
11. Manometer is a pressure measured device used to measure	**Relative pressure**
12. If the area on which a certain force is applied is increased 6 times, the pressure exerted will.	**decrease 6 times**
13. A force of 453 N is applied on a body of area 22 cm^2, The pressure on the body is	**2.06×10^5 Pa**
14. If ρ is the density, m the mass and V the volume of a body then	**$\rho = m/V$**
15. According to Pascal's principle if the pressure applied on an enclosed fluid at one point is 1500 Pa, the pressure at any other in the fluid will be	**1500 Pa**
16. A mercury barometer (ρHg = 13600 kg m-3) shows a pressure of 702 mmHg at 2 pm and 704 mmHg at 3 pm. What is the rate of change of pressure in Pa min-1.	**4.4 Pa min-1**
17. A liquid of density 1150 kgm-3 is in a cylinder. The height of liquid is 0.27 m What is the pressure exerted by the liquid on the base of the cylinder?	**3105 Pa**
18. Absolute pressure is the pressure measured relative to	**atmospheric pressure**
19. A state of matter that doesn't flow in the response to a shearing force	**Solid state**
20. A state of matter which flow in response to a shearing force	**Liquid state**
21. A state of matter where intermolecular bonding is negligible and its properties are determine by nuclear collisions	**Gas state**
22. The pressure relative to the local atmospheric pressure	**Gauge pressure**
23. The pressure measured relative to a perfect vacuum	**Absolute pressure**
24. Example 11.2 page 74	
25. Example 11.3 page 75	