

Pressure & Temperature

Name: _____

*Show set up and all work (including units) to receive full credit.

- 1) The air pressure inside a submarine is 0.72 atm. What would be the height of a mercury column inside the submarine?

- 2) The recommended air pressure in a certain tire is 242 kPa. What is this pressure in atmospheres?

- 3) An experiment in a lab is performed at a pressure of 749.1 mm Hg. What is this pressure in torr?

- 4) What would be the pressure of a room be if the mercury read 850 mm Hg in torr, atmospheres, psi and in kPa?

7) Fill in the data table with appropriate values by performing temperature conversions:

Fahrenheit (°F)	Celsius (°C)	Kelvin (K)
		373
	37	
32		
	25	
85		
		0