Greek since their are no bounds Vorspar Per 12/12 | 1/2 ) : 113(0.1)=1026(0.1-1) hy 2 0.0304 mx3.04cm In other words, a flocking object displaces souds, but hey can move at top of work. h3:0.27m Pur apriling Liguids our as deuse as Printe Pryord Waght of displaced Liguid 12-10cm 2001 P1-P= 29h => P= 103 59/23 951111/2 .0. 55m 3453.5 at b) abe pressure (2) 01-wate interface? TO4733.5 Pa)

c) o11 density,

c) 011 density,

c) 011 density, hz: 0.13m Pravid Vaispinad 9 - mg Del= pult-n 1, 80.00000 1 1 6.0000 n P = 101300 Pa Worker & Workmenged 106 - pe to 16 - 19 pet 29 = , 1=20cm its own whight. the bottom of the type rr-Scm WO150 = PW (T- 526-41)39 Den = 163 49/m3 h, 20.55m For both : 26 = 713 45/4.5 PEDIT 1025 45/149 HW 28 Flord & takes 713.(0.2)=1025(0.2-4) Pressure Poil 2 8-14.8 Kg/m 9 0 2158.2 = 20,1.0.23.9.81 Buohand 6 4 5 Mg EF = 21/3 B marrid hig wiel 713 49/2 -2 Way るると = 2011 : h3 .g 0: Staks of matter: water 142 What is c) oildensity? 17 17 17 To the second Absolute P3-P2 Solve 3

Physlospg= mg For 100.056+407.72 X1.28 X4.83) 25120 N Aby P @ inter Gaca -> P3-P2 = (1261)/(4.81)(0.27) 1 patin = (105324, 405-4Pa total volume is the same - 60.99 1822 F3 = F36 15m = (126 kg)(q. 81) + (402,72)(0.18)(q. 81) (0) 2020 Fg=72.9-81"-106.32N カサイイル633を4の7.72 ~ h3-0.27m y : 0.69 765 3340.0107 = 103.9.1h 4:h-h3 603047m W=0.13953 mp=7245 h = 0.34047wa 13 2 43 + 0 = 0.35 + 0.13 + 0.27 how many people can the balloon No 20:05 6 m 2m 6=126 145 4918 Fe: 0:08- 1.28 Polyc = 1261 45/m3 bouldoon basta without people on whole system? e) lived mych higher, d, is the wester? Pw (4,4) g = pw(0.410235) 9.81 Vivater Science SE, =-1956, 5120 = 3164.35 S herson = 92-706 =-614.16 Pro : 0.15 15/m3 Budgant Force who prespec? Ph = Py 1 Pair 128- 45/43 , tre d) is on each person? シュヤロドラ e) Fo on each person? Com be fore のなっていい Phy : Phasipy a) Vintiaked b = 2 Ph : Ph + 100 200 3 b) (a Pull I 0 5