Name:		QUIZ – Pascal's Principle
Date:	Period:	
Answer all	l questions on a separate sheet. As always, show your work.	
Define the 1. Pre	following terms in <i>your own words</i> . essure:	
2. Pas	scal's Principle:	
3. Ab	solute Pressure:	
4. Atr	mospheric Pressure:	
	e following questions: water bed is 2.00 m on a side and 30.0 cm deep. a. Find its weight.	

b. Find the pressure exerted by the bed on the floor if the bed rests on its side.

b. What air pressure produces this force? Neglect the weights of the pistons.

transmitted to a second piston, of radius 15.0 cm.

6. In a car lift, compressed air exerts a force on a piston with a radius of 5.00 cm. This pressure is

a. What force must the compressed air exert in order to lift a car weighing $1.33 \times 10^4 \text{ N}$?