EPS 100 (Stapleton) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pressure Questions

1. What is the average value of air pressure at sea level? (include units)

2. Imagine a cube of air that is 1m tall, 1m wide, and 1m deep. At sea level, how much does that air weigh?

3. What causes air pressure?

3. When you rise quickly in altitude, which way do your eardrums stretch -- inward or outward? Explain why.

4. Use a diagram to explain why a suction cup sticks to glass.

5. A rock is sitting on a table. In which direction(s) is pressure pushing the rock? Circle all that apply

Up Down Left Right

6. A bubble that is under water floats upward. Use words and a diagram to explain how the bubble “knows” which way to go.