

## Science Club Quiz

1. At sea level, air is pressing on one square inch of the ground with a weight of 15 lbs. If you were standing on a mountain, would the weight of the air be higher or lower than at sea level? Why?
2. Circle the correct word to complete the following: A blobfish's body is designed for the deep deep ocean. It collapses when it come to the surface because of the increase / decrease in pressure.
3. If you had a bad head cold and a clogged Eustachian tube, and you flew on an airplane, your eardrum could burst. True or false?
4. The gravity of the Earth pulls air molecules toward it. True or false?
5. Fill in the blank: Most of our planet's air is warmed indirectly by the Earth absorbing thermal energy from the Sun and then releasing it into the air from the ground up. This is why it is \_\_\_\_\_ on the top of mountains.
6. Is there any wind in the highest levels of the atmosphere? Explain why or why not.

7. What happens to the liquid in a thermometer to make the level go up or down?

8. Choose one question above and draw a diagram to further illustrate and explain your answer.

9. What is a question you still have about temperature or air pressure?