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| **Use a Balloon to Amplify Sound**  Small sounds can still make a big noise when you use a good sound conductor. Experiment with a balloon, compressed air and your own ears to find out how it works and the science behind it.  **What you'll need:**   * Balloon   **Instructions:**   1. Blow up the balloon. 2. Hold the balloon close to your ear while you tap lightly on the other side.   **What's happening?**  Despite you only tapping lightly on the balloon your ears can hear the noise loudly. When you blew up the balloon you forced the air molecules inside the balloon closer to each other. Because the air molecules inside the balloon are closer together, they become a better conductor of sound waves than the ordinary air around you.  **How to earn extra credit: You can earn up to 20 summative points depending on how well you complete the experiment and design your lab!!**  Design a lab to test the above theory. You must include all the steps of the scientific method and pictures of yourself completing the lab.  1. Question  2. Research  3. Hypothesis  4. Test Design (include your variables)  5. Collect Data  6. Analyze and communicate your results  7. Include pictures. |  | **Sponsored Links** |

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