

# Zedua Experiments

**Title:** Use a Balloon to Amplify Sound

**Challenge:** Can you increase the volume of Sound?

**Materials Required:**

Balloon

**Procedure:**

1. Blow up the balloon.
2. Hold the balloon close to your ear while you tap lightly on the other side.

**What's happening?**

Observe that by only tapping lightly on the balloon your ears can hear the noise loudly. When you blew up the balloon the air molecules were forced inside the balloon closer to each other. Since the air molecules inside the balloon are closer together, they become a better conductor of sound waves than the ordinary air around you.



Source: pinterest

