

Echolocation Simulation Instructions

1. Find a large bowl, pan, or box.
2. Hold the bowl in your hands (but not yet in front of your face)
3. Say "Ahhhhhhh" - pay attention to how it sounds
4. Now place the bowl, pan, or box in front of your face - say "Ahhhhhhh" again.
5. Keep saying "Ahhhhhhh" or make another sound while alternating having the bowl in front of your face and having it not in front of your face. Try doing it with your eyes closed.

Can you tell if something is in front of your face based on the SOUND alone?

Write down your observations from this activity.



Talk with an adult in your house about how this activity is related to echolocation! Did the bowl/pan/box in front of your face make your noises sound different than with no bowl/pan/box? Was there an "echo"?