

Kids Page

LOUD AND CLEAR

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The science of sound

Imagine you're playing in the backyard. Your mom steps outside and calls you in for dinner. Even though your back is turned and you don't see her, you know she's there. Why? You can hear her voice, of course.

Exactly how does that work anyway? The science of sound is really amazing. All around you there are air particles too tiny for you to see. Lots of things

can set these particles in motion — such as vibrating vocal cords or clapping hands. As the particles bump into each other, the chain reaction makes an invisible wave. We call it a sound wave. If the wave reaches your ear, the eardrum vibrates and your brain gets the message in the form of a sound. Different wave patterns create different sounds, from high to low and everything in between.



If you were 20 miles away when your mom stepped outside and called your name, you wouldn't hear her. Unless she used a telephone, your eardrums wouldn't detect the sound waves from so far away.

Thankfully, God is always close enough to hear us when we call. You can pray to Him anytime, anywhere, and He will get the message. You don't even have to speak out loud. You can talk to Him in whispers or even in silent thoughts. He hears you loud and clear, and He cares about all your needs.

"God has surely listened and heard my voice in prayer"
(Psalm 66:19, NIV).

Try this!

Play a sound game with a friend. Take turns putting objects inside a plastic coffee container or similar container. Marbles, paper clips, beans and coins are a few examples. Shake the container and see if the other person can guess what's inside based on the sound.

JUST FOR laughs

When does a mouse say "click" instead of "squeak"?

When it's a computer mouse.

Knock, knock.

Who's there?

Doris

Doris who?

Doris locked.

That's why I had to knock!



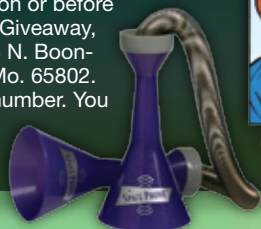
Did you know?

Dogs, cats, bats and dolphins can all make out sounds that are too high for people to hear.

Scientists believe whales can hear each other for thousands of miles. Not only does sound travel better in water, but whales have very good ears.

Enter to win!

(Recommended for ages 8 and up with adult supervision.) A coiled spring in the Space Phone science toy creates wacky sounds for a fun conversation like no other. Enter online by October 7 at pe.ag.org or mail an entry postmarked on or before that date to Space Phone Giveaway, Pentecostal Evangel, 1445 N. Boonville Avenue, Springfield, Mo. 65802. Include a daytime phone number. You must have a parent's permission to enter.



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