

SOUNDS



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SOUNDS

In this book, you will:

discover interesting things about sounds.

learn new words.

answer fun questions.

play a search game.

find more sounds activities at the back of the book.

ENCYCLOPÆDIA
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CHICAGO LONDON NEW DELHI PARIS SEOUL SYDNEY TAIPEI TOKYO

The world we live in is filled with so many sounds.



What was the first sound you heard this morning?



Hey, wake up, sleepyhead!

Whisssshhhhh!

Meow...Meeowww!



clunk,
clunk,
clunk!



Was it your kitty cat crying to be fed?
Was it someone calling you a sleepyhead?
Maybe you heard wind in the trees so tall.
Or did you hear footsteps coming down the hall?



cock-a-doodle-doooooooooo!

Did you first hear a rooster crowing at dawn?
Or maybe it was a neighbor mowing his lawn.
Was it the yelp of a puppy expecting a treat?
Did you hear cars and buses out in the street?

HONK!
Beep Beep!

ruff ruff ruff!

rrrrrrrrrr-rrrrrrrrrr
rrrrrrrrrr

Once you are awake,
there are so many sounds to hear!

The house is full of sounds!

TV! radio! telephone! vacuum cleaner!

water dripping! kettle whistling! stove top sizzling!



Can you make the sounds of the things shown here?

What are some sounds you hear around your house?

Outside sounds are often big and loud.

bells ringing
ding dong!

machines at work
bang! clang!

thunderstorms
boom!

a fire engine's siren
iiiiiiiiiiiiiiiiiiii!

the foghorn on a big boat
vvvvrrrrrrrrrrrr!

Can you make the sounds of the things shown here?

What are some other big, loud outdoor sounds?

Some sounds tell us things we need to know.

We hear the doorbell and we know someone has come to visit.

A train whistle tells us to watch out and stay back.
The train is coming!

Woooooo Wooooooo!



What is a sound that tells you something YOU need to know?

Careful!
The sound of a buzzing mosquito means someone might get stung.

eeeeeeeeeee

Some sounds are funny...

like hic-hic-hiccups or a big, loud belching burp.
A hee-haw laugh might make you laugh too!



What are some sounds that make you laugh?

Many sounds are so soft that we hardly hear them at all...

like the quiet tick-tock of a clock, and whispers at night once you've turned off the light.



What are some other soft sounds?

Animals make so many sounds!

Big cats roar.

Little cats purr and hiss.

Dogs yelp and yowl.

Birds chirp and coo.

Big pigs snuffle and snort.

Little pigs squeal and squish.

They bark and growl!

Insects buzz and cows go moooo!



Some of the very best sounds come from musical instruments.

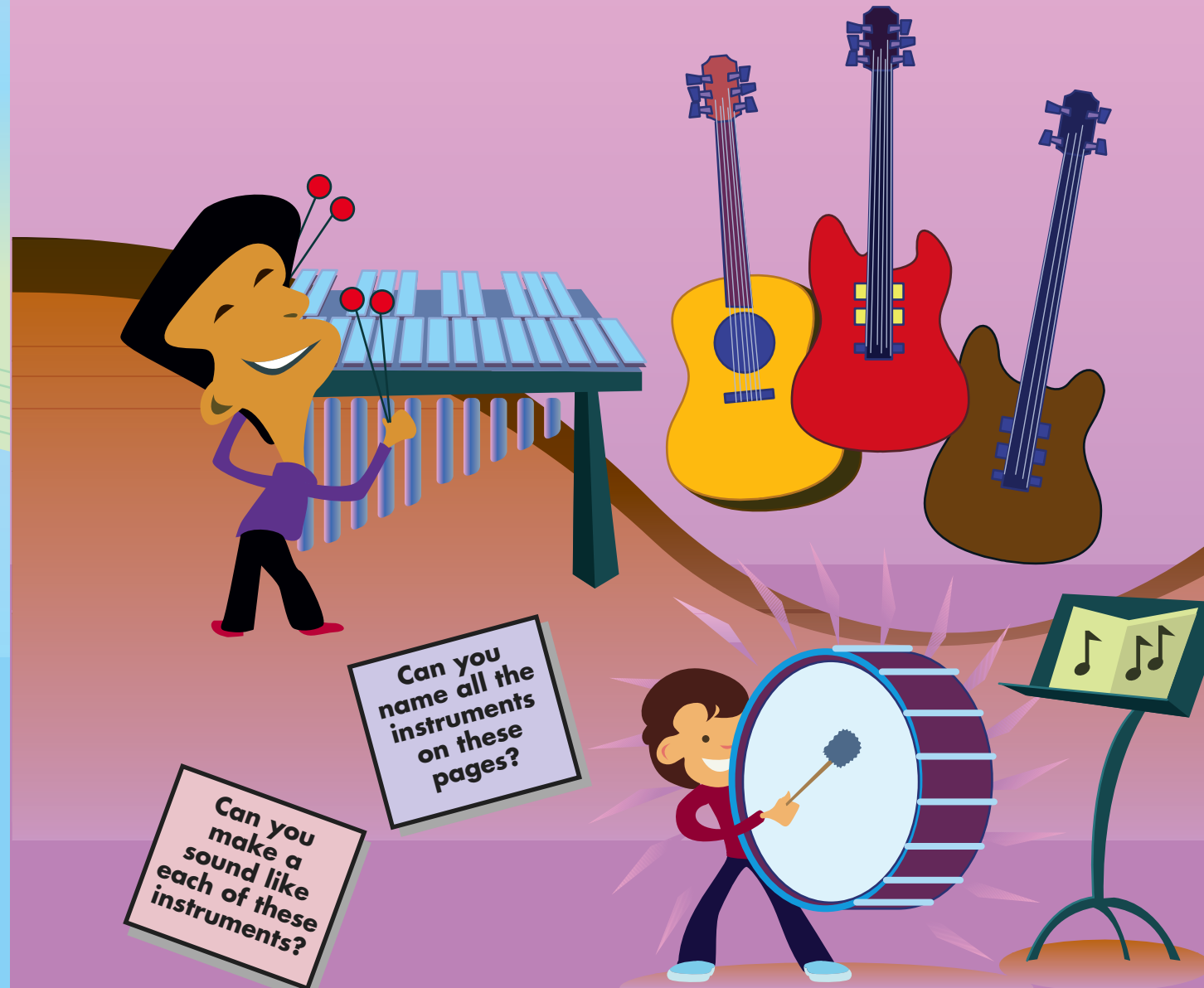
Many instruments have strings.
The guitar, the harp, and the violin all have strings.

The flute and the trumpet are two instruments
you blow into.



Some instruments make sounds when you hit them.
Drums are this kind of instrument.

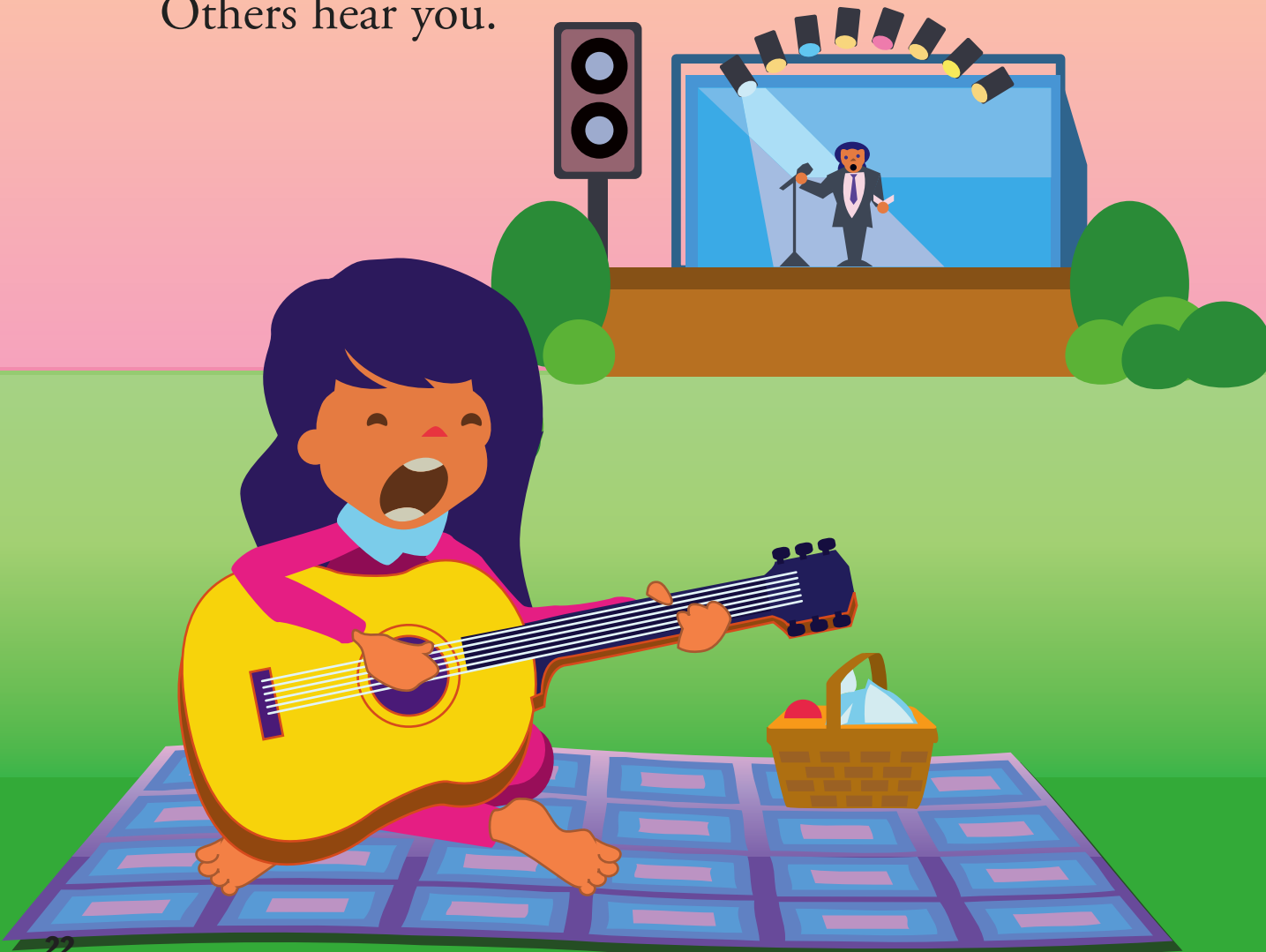
So is the **xylophone**.



Your voice is like an instrument too.

Speak! Sing! Shout!

The sound of your voice moves through the air.
Others hear you.



Dogs have excellent hearing.
They hear sounds that people
never hear at all.



A cartoon illustration of a boy with brown skin, wearing a blue cap, a red shirt, and blue pants. He is standing on a dark brown cliff edge, shouting with his mouth wide open and his hand near his face. Concentric white circles radiate from his mouth, representing sound waves. The background is a bright yellow sky.

An echo is a special kind of sound.

Imagine standing near a high **canyon** wall and shouting out your name.

The sound moves out like a wave you cannot see. It hits the canyon wall and bounces back.

You will hear your own name ringing through the canyon.

When the sound comes back like this, it is called an **echo**.



Many things in this picture make sounds.

How many of these things can you find?

Try making the sound of each thing you find.



Just listen... Sound is all around.



What do you hear right now?



SOUNDS

GLOSSARY

canyon (KAN yun) a deep, narrow river valley with steep sides

chorus (KOR us) a group of singers who sing together, usually several people

cymbals (SIM buhlz) plate-shaped musical instruments that make a loud, clashing sound when struck together

echo (EK oh) a sound that repeats over and over when the wave that carries the sound hits something and bounces back



foghorn (FOG horn) a horn that sounds as a warning to other ships in foggy weather



kettle (KET uhl) a metal kitchen container used for boiling water

maracas (ma RAHK ahz) rattles, usually made from a dried vegetable (or gourd)

xylophone (ZY luh fone) a musical instrument with wooden or metal bars of different lengths, which is played by striking the bars with wooden hammers

Fun Ways to Learn About SOUNDS

What Makes That Sound?

1 With friends, cut pictures out of old magazines, catalogs, or newspapers. Choose pictures of lots of different things that make sounds, like animals, musical instruments, and different kinds of machines—anything that makes a noise!

Put all the pictures face down or put them in a box so you can't see what they are. Take turns choosing a picture. When it is your turn, try making the sound that the thing on the picture makes and let the others take turns guessing what it is. Whoever is first to guess right gets the next turn. Play until there are no more pictures left.

Move to the Music

2 Here is a fun game to play with friends. Turn on some music that you like a lot. What kind of movement does the music make you think of? Each person will take a turn moving to the music while pretending to be some animal or other thing that the music brings to mind. You might pretend to be a cat; a kite in the wind; or a mean, stomping giant, for example.

The other players clap to the music while calling out what they think the moving person is pretending to be. Let each person have a turn keeping the others guessing! For more fun you could also find things to dress up in—collect things from around the house, such as scarves,

hats, masks, sheets, sunglasses, or anything that will make the game more fun—and funny!

Homemade Band!

3 There are so many things around the house that you and your friends can use for musical instruments. Try putting together your own band to make music.

Fill some glasses with different amounts of water. Gently tap the rims of the glasses with a spoon and you will hear different musical tones. Altogether they make up a kind of xylophone. Use two flat pot lids as **cymbals**.

Put beans (white beans, kidney beans, or any other kind of hard beans) into small plastic jars with lids and shake them like **maracas**. What other instruments can you make from things around the house?



Helping Children Get the Most out of the **SOUNDS** Volume

The activities on the previous page will help your children expand their knowledge, skills, and self-confidence. Young children learn best when they use all their senses. They need to touch, explore, experiment. Most importantly, the experience should be fun!

What Makes That Sound? Supply plenty of old magazines and newspapers for this activity. You may want to cut out some pictures yourself, to ensure a lot of diversity in sound-making images. If one child repeatedly identifies the sound first, change the game so that each child gets a turn in order. Praise every child's efforts and don't make fun of (or let the other children make fun of) any child who guesses incorrectly, as this will inhibit participation and learning. As a variation of this game, place several of the pictures face up in a row. Have the children take turns trying to imitate the sound of the object appearing on one of the pictures (without telling the others which picture it is). Encourage the other children to try to identify which picture goes with the sound.

Move to the Music. This is a great way to enhance children's natural love of music, movement, and creativity. To make it easier, you or an older child could act as "disc jockey." Using instrumental music rather than tunes with lyrics makes it easier for children to come up with their own interpretations. Provide as many different kinds of music—and musical moods—as possible. Alternate among pop, jazz, rock, classical, upbeat and downbeat tempos, and all kinds of musical rhythms.

Homemade Band. You might need earplugs—or a backyard—for this one! Help the children make as many "instruments" as possible, or guide their efforts if they need ideas. Have them try putting two differing amounts and types of dried beans into plastic jars with screw-on lids. A jar half-filled with white beans, for example, will sound very different than a small amount of dry lentils. Several rubber bands stretched around a hard solid object (such as a piece of wood) can be used as a guitar or banjo. Thick, stiff paper, such as from a brown paper bag, stretched across the top of a pan and held taut with rubber bands makes a drum. Encourage imaginative invention. If a child devises an "instrument" completely unlike anything familiar, all the better! Ask what it's called and how it's played.

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