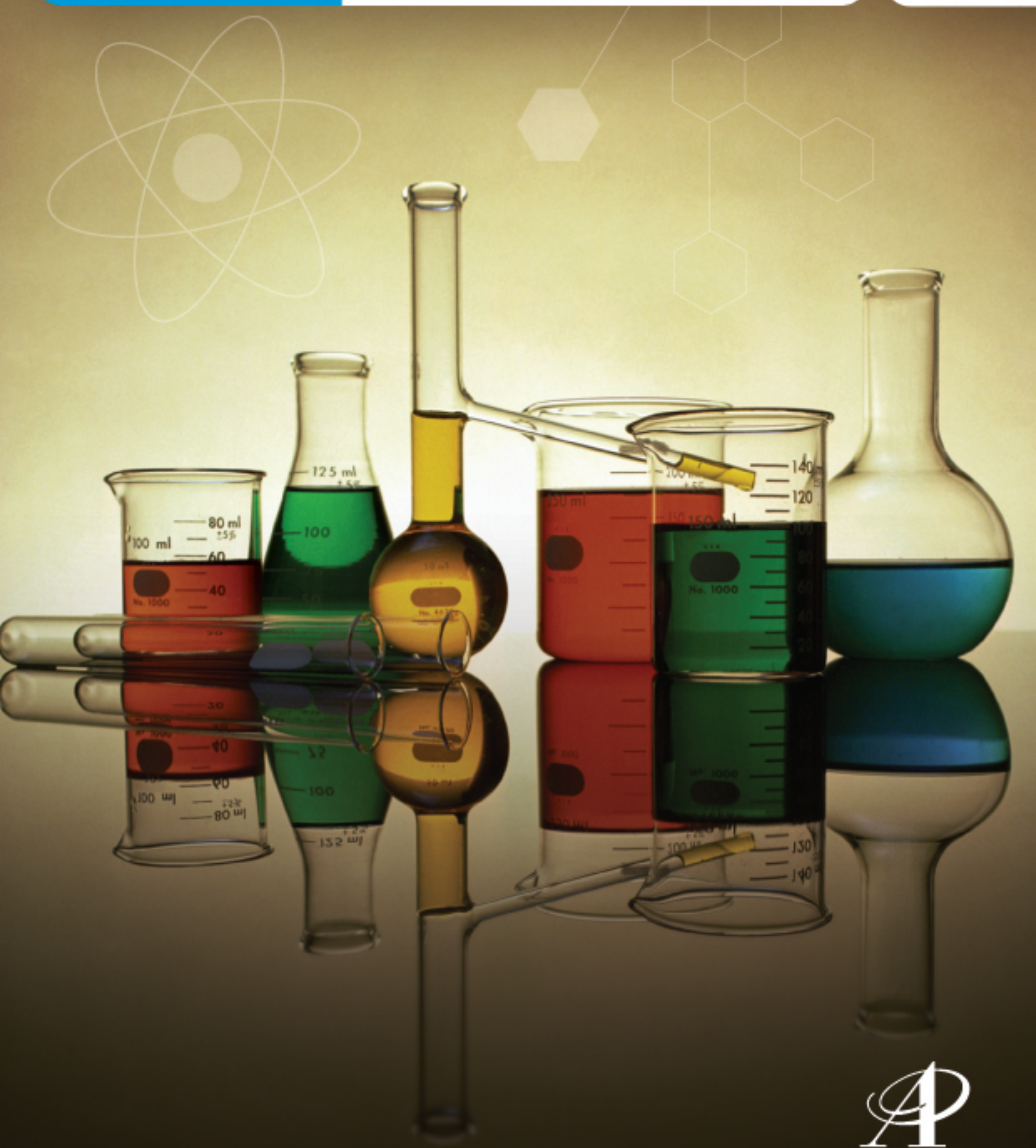




LIFE·PAC®

Science



Alpha Omega Publications®

SCIENCE 306

SOUNDS AND YOU

NEW EDITION

A Teacher's Guide pull-out supplement is positioned in the center of this unit.

CONTENTS

I. SOUNDS ARE MADE	4
What Do You Hear?	5
What Is Sound?	7
The Study of Sound	13
II. SOUNDS ARE DIFFERENT	18
How Do Sounds Travel?	19
How Are Sounds Different?	22
How Is Sound Used By Scientists?	27
How Does God Help Us With Sound?	28
III. SOUNDS ARE HEARD	35
How Do You Hear?	36
How Is Hearing Helped?	45
How Do You Make Sounds?	47

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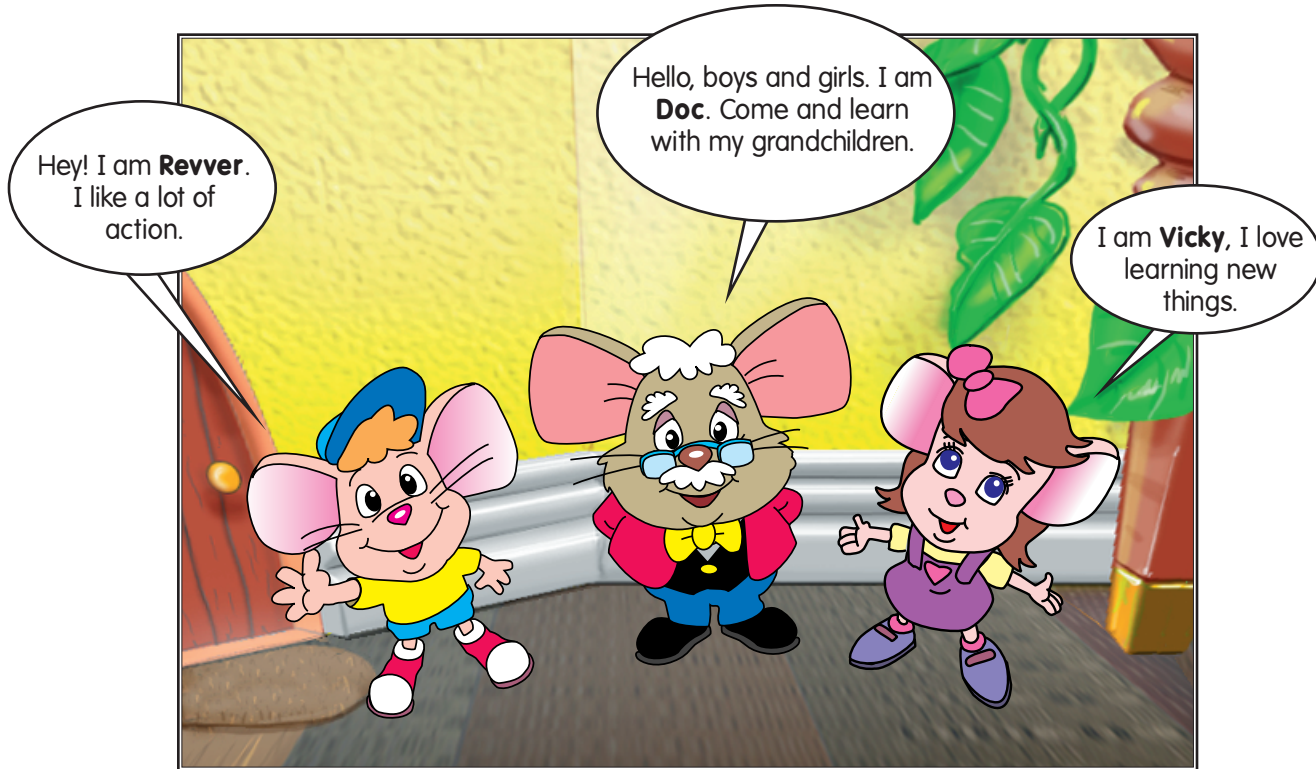
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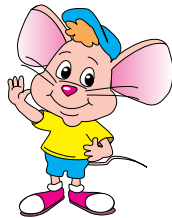
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Learn with our friends:



When you see me, I will help your teacher explain the exciting things you are expected to do.



When you do actions with me, you will learn how to write, draw, match words, read, and much more.



You and I will learn about matching words, listening, drawing, and other fun things in your lessons.

SOUNDS AND YOU

There are many different sounds around you each day. Some sounds are LOUD! Some sounds are **soft**. Some sounds are pretty. Some sounds are noisy. Some sounds you know. Some sounds are strange. God has given you ears to hear many different sounds each day.

In this LIFE PAC[®] you will learn more about sound. You will learn the answers to questions like these:

What is sound?

What makes sounds different?

How are sounds made?

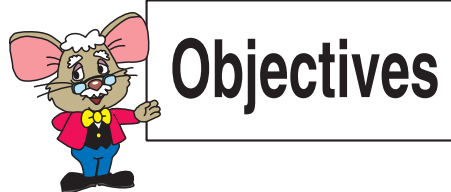
How do you hear sounds?

These and other questions about sound will be answered as you study this LIFE PAC.



There are many kinds of sounds

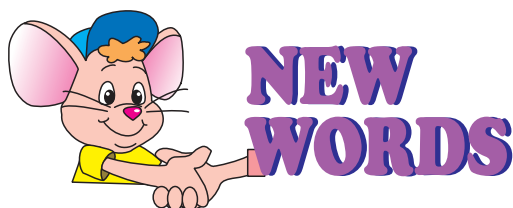
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Read these objectives. They tell you what you should be able to do when you have successfully completed this LIFEPAC.

When you have finished this LIFEPAC, you should be able to:

1. Tell what sound is.
2. Explain why sounds are different.
3. Tell how you hear sounds.
4. Describe how you make sounds.



These new words will appear in **boldface** (darker print) the first time they are used in this LIFEPAC.

acoustics (ə koo' stiks). The science of sound and its effects on people.

brain (brān). The organ in the head that controls mental and physical activity.

categories (kāt' ə gor ēz). Classes, groups, or kinds.

cereal (sîr' ē əl). Food made of grain.

cochlea (kôk' lē ə). The small part of the inner ear that looks like a snail.

eardrum (îr' drūm). Ear part that vibrates when sound enters the ear.

frequency (frē' kwən sē). The vibrations per second of an object causing sound.

gracious (grā' shəs). Kind, merciful, and compassionate.

intensity (în tēn' sə tē). The level of strength, force, or energy.

invent (în vēnt'). To make, design, or produce something for the first time.

irregular (ĭr rĕg' yə lər). Uneven; having different patterns or shapes.

larynx (lār' ĭngks). Upper section of the throat that contains the voice box.

minerals (mĭn' ər əlz). Substances such as stone, coal, salt, or sand that are found in the earth and are obtained for man's use.

nerve (nûrv). The part of the body that carries messages to and from the brain.

oil (oil). Liquid substance used for fuel, lighting, medicines, and many other uses.

phonograph (fō' nə gráf'). A sound reproducing machine that uses records in the form of grooved cylinders or discs and a needle for reproducing the sounds.

pitch (pĭch). The degree of highness or lowness of a sound.

quality (kwōl' ĭ tē). The degree of excellence of something.

sonar (sō' nār'). A means for detecting objects underwater using sound waves.

tuning fork (tōō' nĭng fôrk). A metal instrument that makes the sound of a musical note when tapped on a hard surface.

ultrasound (ul' trə sound'). A means of detection using sound waves above the level of human hearing.

vibrate (vĭ brāt). To move back and forth very fast.

vibration (vĭ brā' shən). When something is moved back and forth very fast.

vocal chords (vō' kəl kôrdz). Two small folds of tissue which stretch across the larynx.

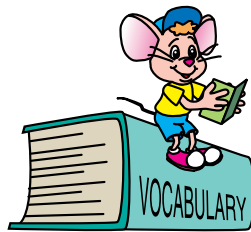
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ē ā ə ō ă ū ù î û ä ü ô ã '

Pronunciation Key: hăt, āge, cāre, fār; let, ēqual, tûrm; it, ĭce; hot, ôpen, ôrder; oil; out; cup, pût, rûle; child; long; thin; /TH/ for then; /zh/ for measure; /ə/ represents /a/ in about, /e/ in taken, /i/ in pencil, /o/ in lemon, and /u/ in circus.

I. SOUNDS ARE MADE

Many different kinds of sounds surround you during the day. Usually, you do not listen to every sound around you because you are doing something else. In this section of the LIFEPAC, you will take some time to listen to some of the different sounds around you. Every sound that you hear is made by something. People make sounds. Animals make sounds. Things make sounds. People, animals, and things make many different kinds of sounds. How do they do this? In this section of the LIFEPAC, you will learn what sounds are and how sounds are made.



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categories (kāt' ə gor ēz). Classes, groups, or kinds.

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