

SCIENCE 310 CHANGE, SOUND, AND HEAT **NEW EDITION**

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

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Alpha Omega Publications®

804 N. 2nd Ave. E., Rock Rapids, IA 51246-1759

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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.



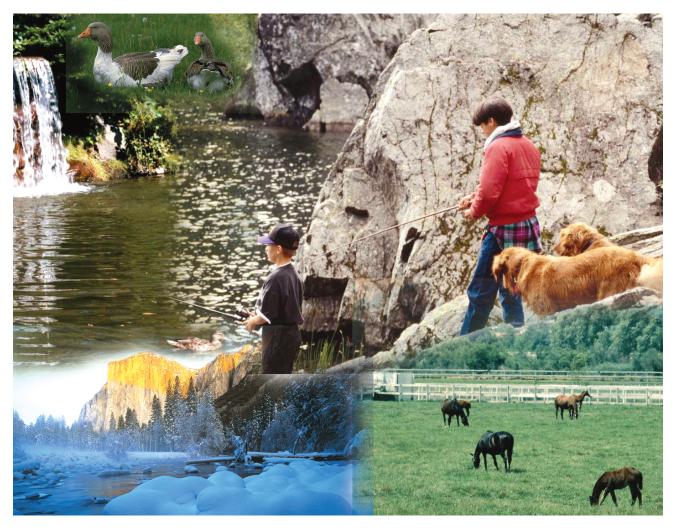
When you do actions with me, you will learn how to write, draw, match words, read, and much more.



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

CHANGE, SOUND, AND HEAT

This LIFEPAC® is a review of the information you have studied in science during this school year. To review something means to go over again things you have already studied. This LIFEPAC will help you remember the important things you learned. The things you learn and remember will help you in your future science studies. It will help you understand more about God's wonderful creation.



Science helps you understand God's wonderful creation



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. Name five things important to a healthy body.
- 2. Tell three ways you are different from an animal.
- 3. Draw and label three parts of a plant.
- 4. Name five things plants need to grow.
- 5. Name four things that can change an environment.
- 6. Name the two main groups of animals.
- 7. Put the growth stages of an insect in correct order.
- 8. Tell what matter is.
- 9. Name three states of matter.
- 10. Tell what causes the four seasons of the year.
- 11. Tell what causes day and night.
- 12. Name the three major groups of rocks.
- 13. List seven forces that change rocks.
- 14. Tell what sound is.
- 15. Tell how the eardrum works.
- 16. Write a definition of energy.
- 17. Name the five things that can cause heat energy.



absorb (əb sôrb'). To take in like a sponge.

appropriately (ə-pro' pre it le). Proper, suitable or fitting for a particular purpose.

axis (ak' sis). An imaginary line that runs from the North Pole to the South Pole through the center of the earth.

carbon dioxide (kär' bən d \overline{i} ŏk's \overline{i} d). The gas exhaled from the lungs.

chlorophyll (klôr' ə fil). Green coloring material in plants.

compound (kom' pound'). A combination of two or more elements.

conduction (kən dük´shən). Sending or passing through.

conscience (kon'shans). A sense of right and wrong.

convection (kən vek shən). Movement of heat through a gas or liquid.

creative (kre a' tiv). Being inventive; able to create.

dissolve (diz olv'). To break apart or melt.

element (el' ə mənt). A simple substance that cannot be broken down any further.

environment (en vi ren ment). Everything that surrounds us.

erode (i rod'). To wear away.

invertebrates (in vûr' tə brits). Animals with no backbone.

invisible (i'n vi'z' ə bəl). Cannot be seen.

maggot (mag' ət). The larva of a fly.

magma (mag´mə). Hot, liquid rock from deep within the earth.

mineral (min'ər əl). A natural substance found in the earth; necessary in small amounts to keep living things healthy. multiply (mul'tə pli). To increase.

nostril (nos' tral). The opening of the nose.

pressure (presh' ər). A continued force of weight on something.

radiation (ra de a' shən). Giving out rays of light or heat.

reflect (ri flekt'). To turn back light; to give back like a mirror.

revolve (ri volv'). To move in a path around something.

rotate (ro' tat). To spin about a point or an axis.

static (stat'ik). At rest; standing still.

survive (sər vīv'). To remain alive; to live longer.

trachea (tra´ke u). The tube that carries air to the lungs.

vertebrates (vûr' tə brits). Animals that have backbones.

vibration (vi bra'shən). When something is moved back and forth very fast.

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

 $\bar{\mathrm{e}}$ $\bar{\mathrm{a}}$ $\bar{\mathrm{o}}$ $\bar{\mathrm{a}}$ $\bar{\mathrm{u}}$ $\dot{\mathrm{u}}$ $\dot{\bar{\mathrm{i}}}$ $\hat{\mathrm{u}}$ $\hat{\mathrm{u}}$ $\hat{\mathrm{o}}$ $\tilde{\mathrm{a}}$ '

Pronunciation Key: hat, $\bar{\mathbf{a}}$ ge, $\bar{\mathbf{ca}}$ re, fär; let, $\bar{\mathbf{e}}$ qual, $\bar{\mathbf{tu}}$ rm; $\bar{\mathbf{i}}$ t, $\bar{\mathbf{i}}$ ce; hot, $\bar{\mathbf{o}}$ pen, $\bar{\mathbf{o}}$ rder; $\bar{\mathbf{oi}}$ l; $\bar{\mathbf{out}}$; $\bar{\mathbf{cup}}$, $\bar{\mathbf{put}}$, $\bar{\mathbf{ru}}$ le; $\bar{\mathbf{child}}$; $\bar{\mathbf{long}}$; $\bar{\mathbf{thin}}$; $\bar{\mathit{TH}}$ / for $\bar{\mathbf{then}}$; $\bar{\mathit{lzh}}$ / for measure; $\bar{\mathit{lzh}}$ / represents $\bar{\mathit{lzh}}$ / in $\bar{\mathbf{about}}$, $\bar{\mathit{let}}$ in $\bar{\mathbf{taken}}$, $\bar{\mathit{li}}$ / in $\bar{\mathbf{pencil}}$, $\bar{\mathit{lot}}$ / in $\bar{\mathbf{lemon}}$, and $\bar{\mathit{lu}}$ / in $\bar{\mathbf{circus}}$.