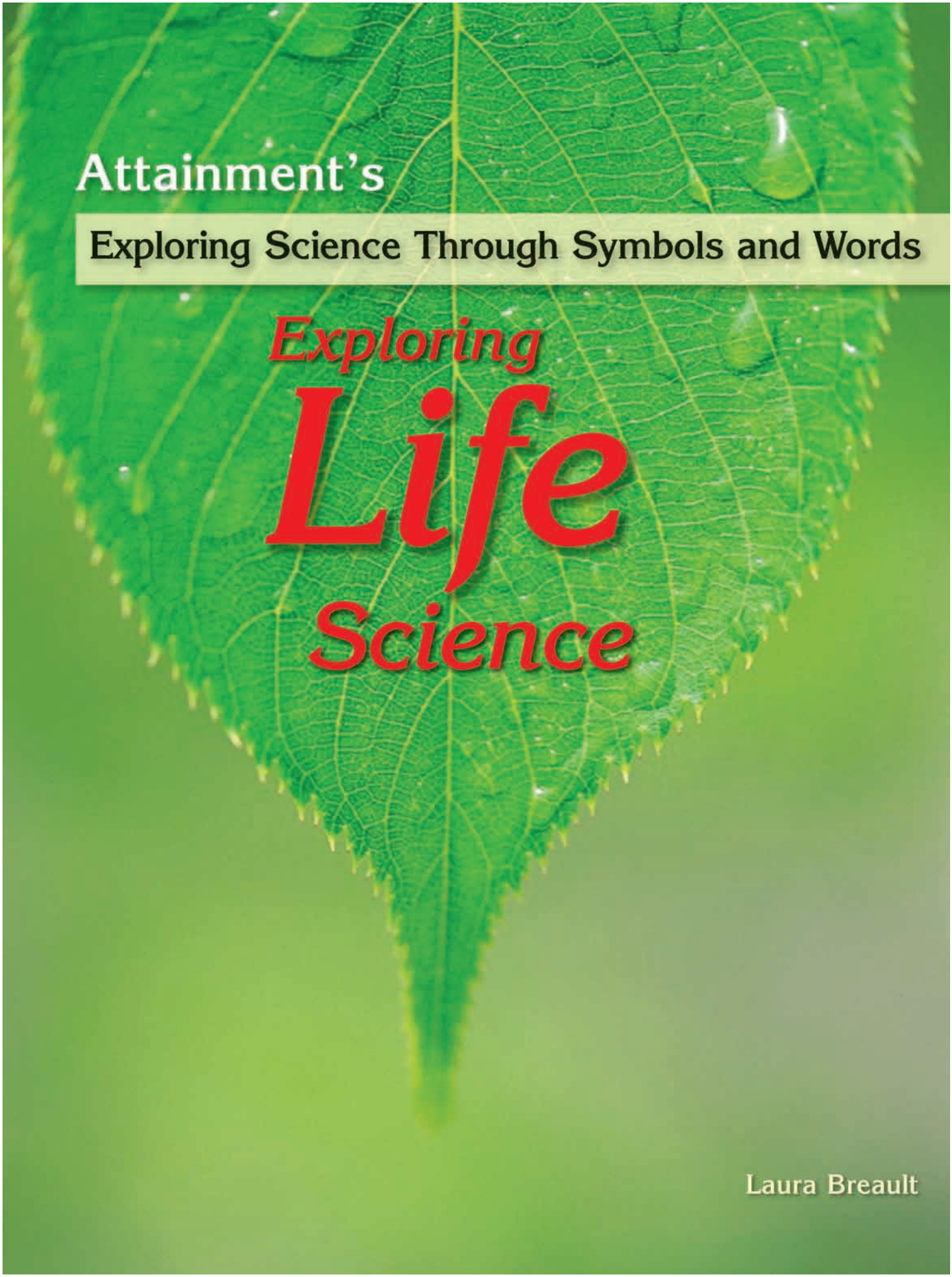

Attainment's
Exploring Science Through Symbols and Words
Exploring
Life
Science
Laura Breault

Author: Laura Breault

Editor: Tom Kinney

Production: Marcy Weiland

Graphic Design: Sherry Pribbenow

An Attainment Publication

© 2007, Attainment Company, Inc. All Rights Reserved.
Printed in the United States of America

ISBN 1-57861-608-5

Attainment Company, Inc.

P.O. Box 930160
Verona, Wisconsin 53593-0160 USA
1-800-327-4269
www.AttainmentCompany.com

Reproducible resources within this material may be photocopied for classroom or personal use.

Table of Contents

Lesson 1
Characteristics of Living Things.....5

Lesson 2
Classification: Living vs. Non-Living 25

Lesson 3
The Structure of Plants.....31

Lesson 4
How Is a Stem Like a Straw? 51

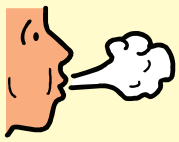
Lesson 5
Photosynthesis.....59

Lesson 6
We're All in This Together! 73

Lesson 7
We Are All Unique!.....87

Lesson 1

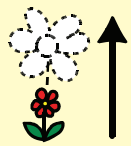
Characteristics of Living Things



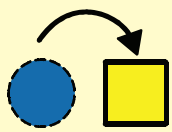
breathe

eat

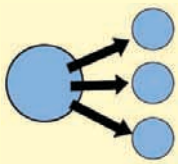
move



grow



adapt



reproduce

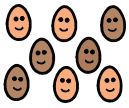
environment

Name _____

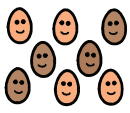
Characteristics of Living Things

Everything in the world is either a living or non-living thing. Things that are alive or "living" are called organisms.

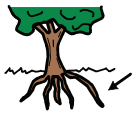
All living things are made of small units of life called cells.



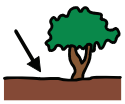
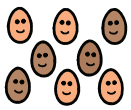
To be an organism you must have specific qualities:

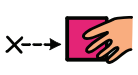


1. You must be able to MOVE. People, animals and plants

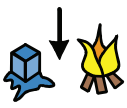


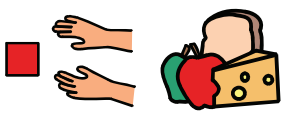
can move, although plants have roots that keep them

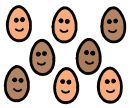


in one place. People and animals move around to





keep warm and to get food and drinks.

Circle all the ways  organisms can move:

jump

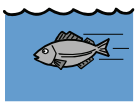
rock

walk

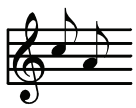
crawl

run

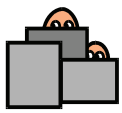
cat

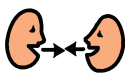

swim

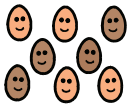
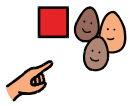
read


music

bounce

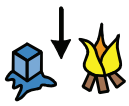

hide


talk

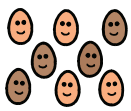



2. Organisms must RESPOND to their environment. If it starts to

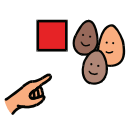
snow, we might put on gloves, a coat and a hat to keep

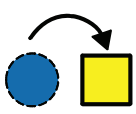
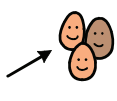
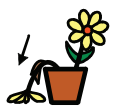


warm. A cat may curl up under the house when it rains



to keep dry. Organisms need to respond when something in

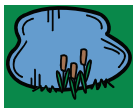


their environment changes, otherwise they might die.

Circle the environments below:

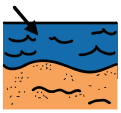
stapler



pond

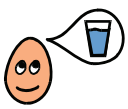
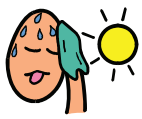
mountains

jungle

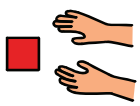


ocean

computer

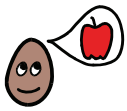



If you were thirsty on a hot day what would you do?

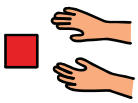


look for a place to sleep

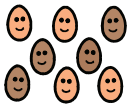
get a drink

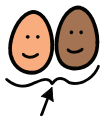


If a fox is hungry, how will he respond?

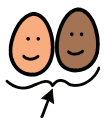


get a drink find something to eat



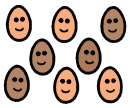


3. All organisms need ENERGY to survive. We get energy



from the food that we eat. We digest our food

and waste is carried out of our bodies.

Circle foods and drinks that give  people energy:

juice

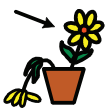
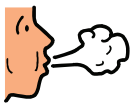
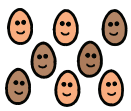
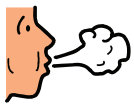
salad

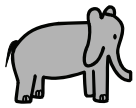
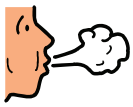
candy

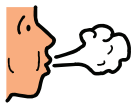
apples

chips

broccoli

4. All  living things need AIR to  breathe.  People  breathe,


elephants

breathe, even

plants

breathe

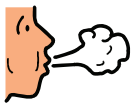
through their

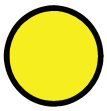
leaves!

Quiz

All

living

things

breathe.

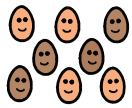
Circle

all the

living

things:

cows

books


people

trees

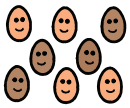
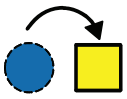
whales

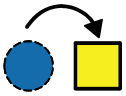
car

fox

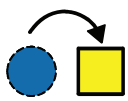
bones

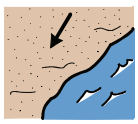
pail

5. Sometimes  organisms need to  ADAPT to survive in their

environment. Bears  adapt by hibernating in the winter. They

store energy and sleep to survive during the winter months

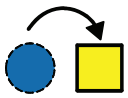
when there isn't enough food. Camels  adapt too! They



have long eyelashes which help keep the sand out of

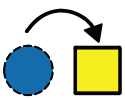
their eyes in the desert.

Quiz



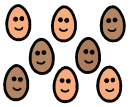
Why do animals need to adapt?

to drink to sleep to survive

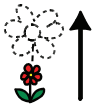


Animals need to adapt to their _____.

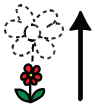
friends environment grass



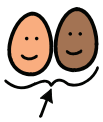
6. All living things GROW. People start out as babies,

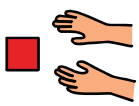


grow to be toddlers, then teenagers and finally adults. We

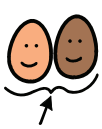


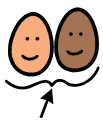
grow because we have all the things we need to survive.



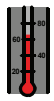
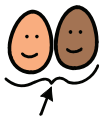
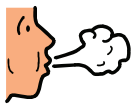
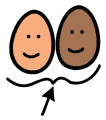


We are able to move to get food and drinks that give

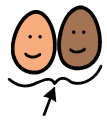




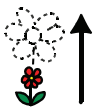
us energy, we respond to the environment to keep

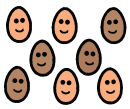
our bodies the right temperature, we breathe and we can



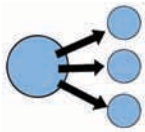
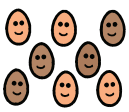
adapt to our environment. All these things help us



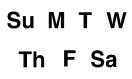
grow!



7. All organisms make other organisms that are just like them.

This is called REPRODUCTION. Organisms live for a specific

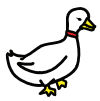


period of time. Butterflies live for a few weeks, large

turtles can live longer than 100 years and trees can live

much longer than that!

Quiz



A baby duck is called a _____ .

buck

duckling

frog

A baby bear is called a _____ .

tub

cub

pup

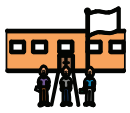
A baby cat is called a _____ .

mitten

kitten

cat

Name _____


Schoolyard

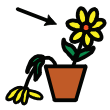
Hunt!

Let's go on a scavenger hunt!

You will

search for

things



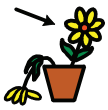
&

that are living and non-living. Do

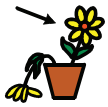
you

remember

what the



qualities of living things are?

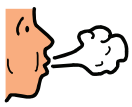


Here are the characteristics of living things:

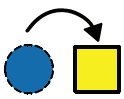
1. They must be able to MOVE.

2. They RESPOND to their environment.

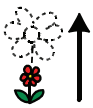
3. They need ENERGY to survive.



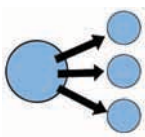
4. They need AIR to breathe.



5. They may need to ADAPT in their environment.



6. They all GROW.



7. They are able to REPRODUCE.