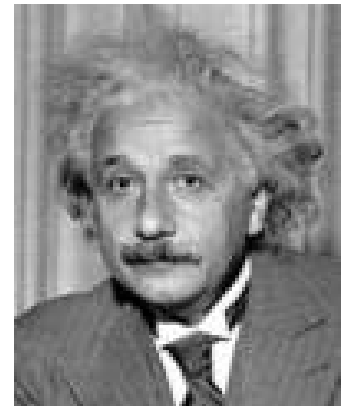




Sir Isaac Newton



Louis Pasteur



Albert Einstein

A
SCIENCE
Winter
Inquiry
Land

Answer Key

Grade 3

Winter 2011-2012



Miami-Dade County Public Schools
Curriculum & Instruction

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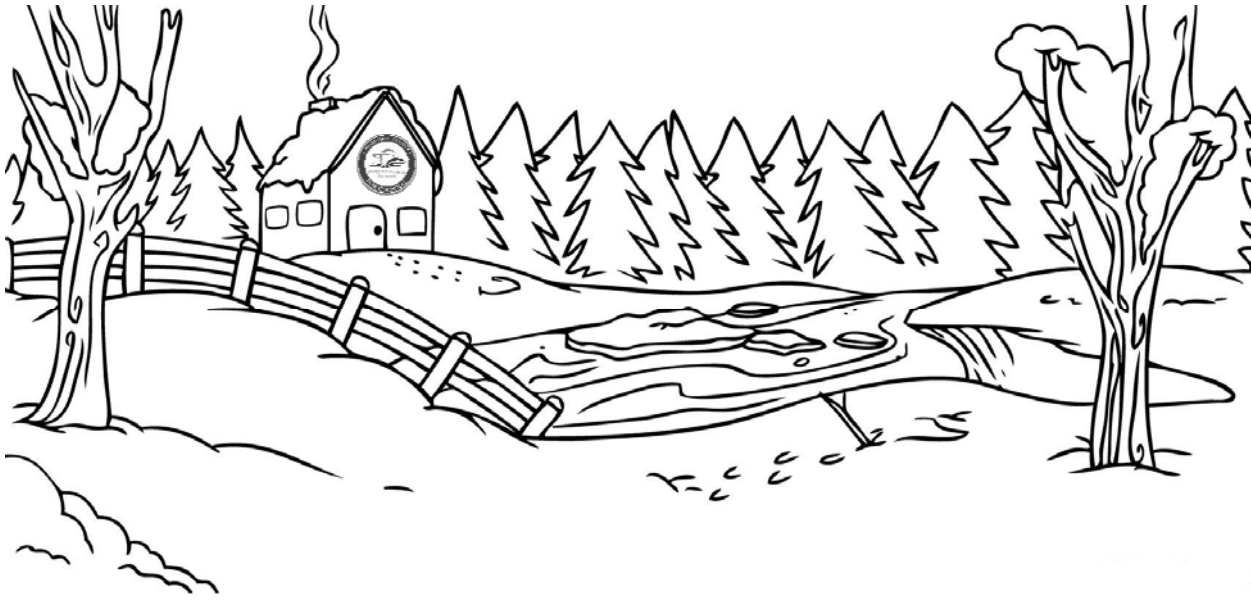
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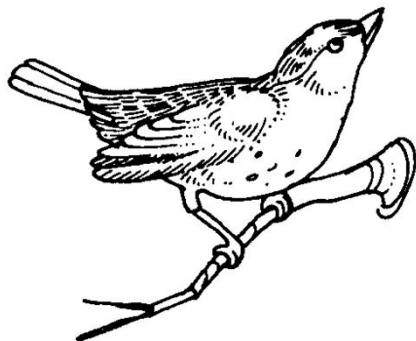
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Answer Key

Bird's Eye View



Background

There are about 8,500 different kinds of birds. Birds are similar to mammals, which are creatures like you and me. Of course, there are quite a few differences between birds and regular mammals. A bird has feathers and wings. They use their wings to fly. However, some birds such as the ostrich or the penguin do not fly because they do not know how.

Under all the feathers and inside the wing the bird has muscles. The muscles inside the wing are attached to the breastbone of the bird and are known as flight muscles. These are like the muscles that you have in your arms. Thanks to these muscles birds can flap their wings and fly if they know how.

Along with their wings, which are a replacement of arms or front legs for other animals, birds also have two legs. If you have ever seen a bird sitting on a tree branch you have seen them using their legs. They are able to perch themselves on branches or hop from limb to limb by using their legs. (*Adapted from All About Birds*)

What You Need

Science Journal Book (i.e. Notebook)
Walking Buddy

What to Do

Go for a walk around your neighborhood and try to identify four types of birds. Draw a picture of each of the birds you identify. Lastly write down the characteristics of each of the birds that you chose. You can record your observations on the following page or make a copy of the chart in your journal.

Complete the chart below after reading the background information, as you are taking a stroll in your neighborhood.

Sample Answer:

	Bird	Color(s)	Shape of beak	Size	Location
1	<i>egret</i>	<i>white body orange beak</i>	<i>long & thin</i>	<i>about 1 meter in height</i>	<i>fresh water</i>
2					
3					
4					

Answer Key

My Five Senses

The poem below is all about the five senses. *While reading it, think of all of your senses. After reading the poem, write a poem of your own describing your five senses.*

Wonderful World by Eva Grant

I can see

Trees and grass,

The sun and sky;

I can taste

Chocolate ice cream,

Apple pie;

I can hear

Music, laughter,

Words you said;

I can smell

Perfume, flowers,

Baking bread;

I can touch

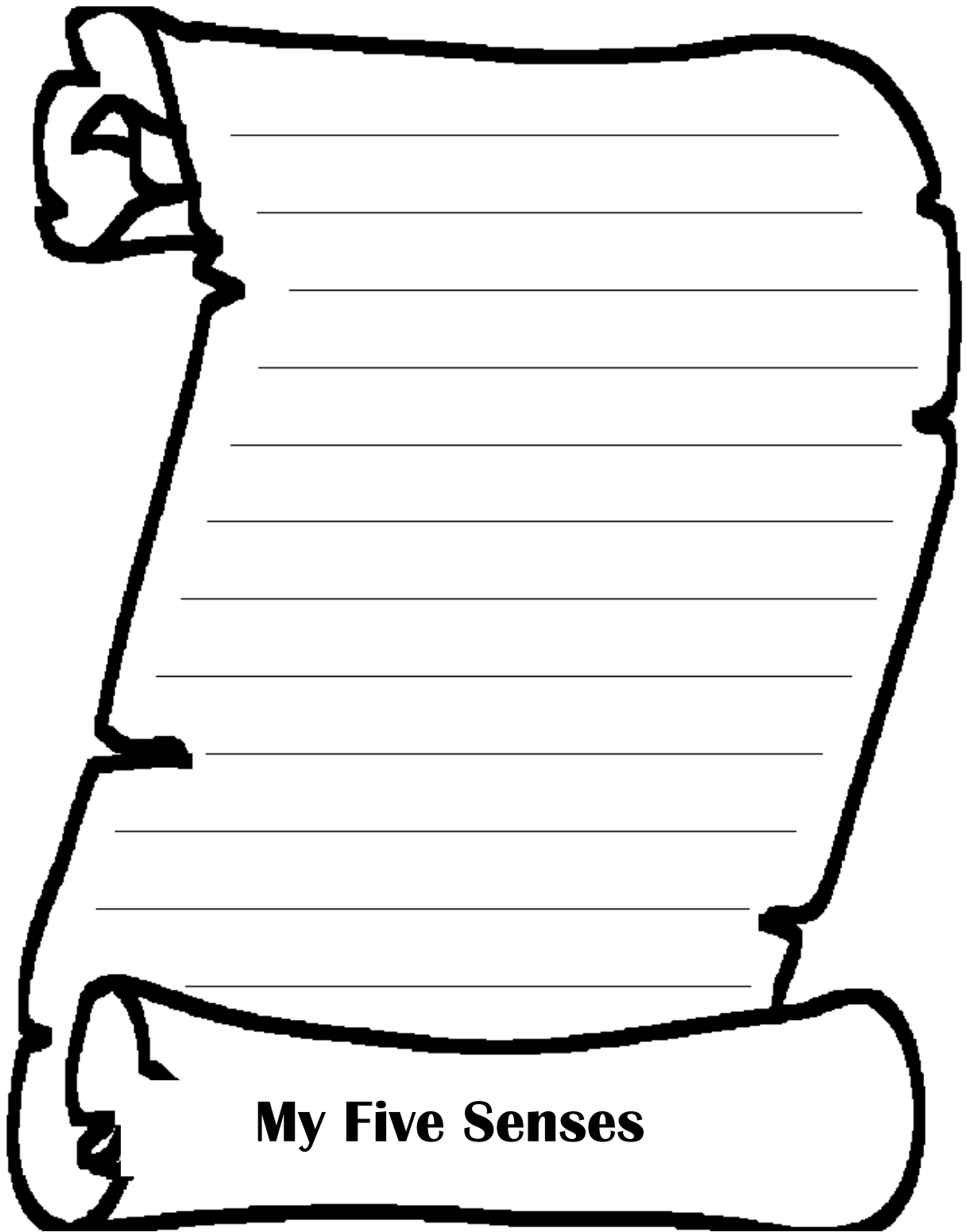
Silk and velvet,

A baby's skin;

What a wonderful

World I'm in!

Write your five senses poem here. *Poems will vary.*



The image shows a large, stylized outline of a scroll. The scroll is oriented vertically and has a decorative, wavy border. Inside the scroll, there are ten horizontal lines for writing. At the bottom of the scroll, the text "My Five Senses" is written in a bold, black font.

My Five Senses

Answer Key

Icky Sticky Stuff

Adhesives are used to stick things together. Many adhesives occur in nature and have important uses for plants and animals

Background

What makes glue, paste or tape stick to things? Wood, paper and many other materials have tiny cracks and holes in them. When we glue things together, sometimes the glue seeps into the tiny openings and hardens, making the materials stick together. Other times, the molecules on the surface of an object get tangled up with the glue molecules, making the objects stick together.

What You Need

A walking buddy

What to Do

Help your child to search around your home to track down things that they can see that are sticky. See how many things they can find. The following examples can be found:

- Tape
- Peanut butter
- Stamps
- Envelopes
- Honey
- Bandage

Ask your child to make a list of things in nature - animals; plants and so forth-that are sticky (have adhesive properties). For example:

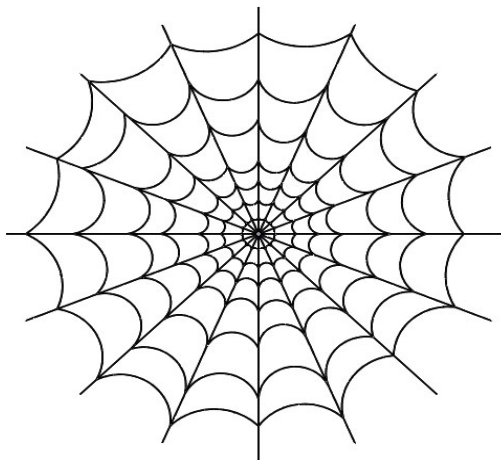
- Spiders have sticky threads
- Tree sap



Complete the data table below.

Sample Answer:

Object	What does it look like?	What does it feels like?
<i>honey</i>	<i>see through (transparent), amber color</i>	<i>sticky, thick, gooey</i>



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