

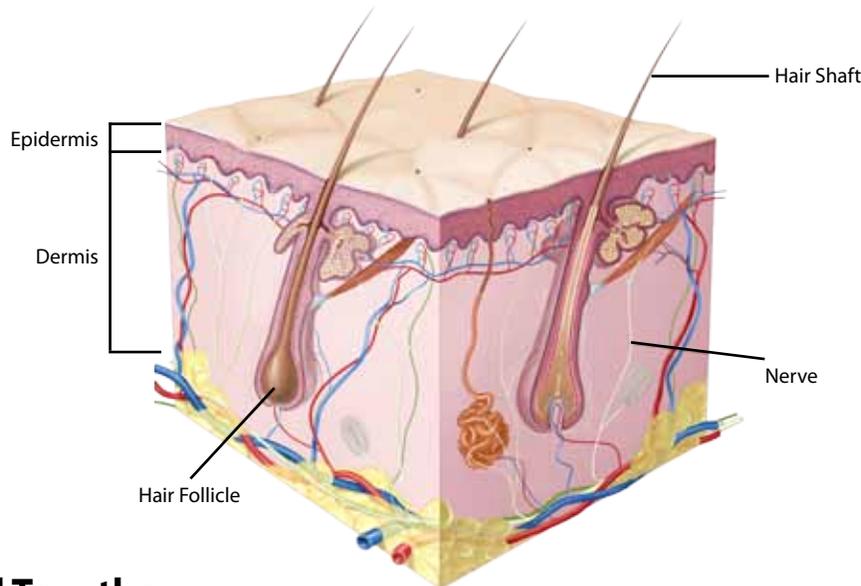
Sense of Touch

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What is Touch?

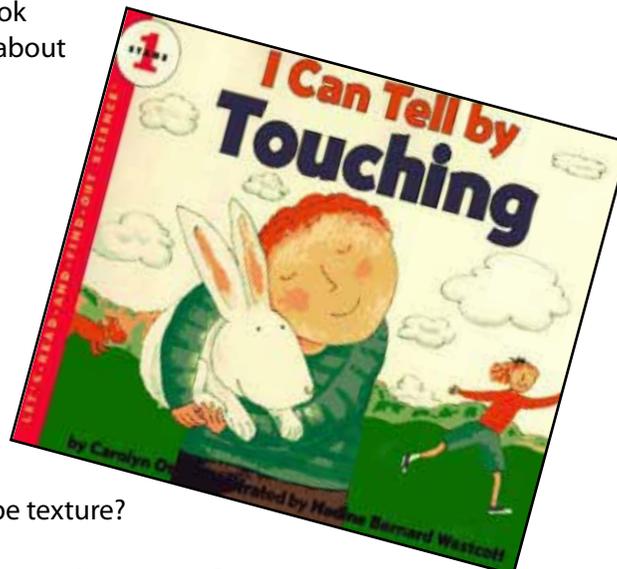
Touch is...

The interpretation in the brain of various environmental stimuli that are picked up by nerve endings located in the deep layer of the skin called the dermis. The sense of touch is found all over the body. The body has over twenty types of receptors; the most common are heat, pressure, cold, and pain. Pain receptors are very important to us, as they let us know the body is hurt.



Read Together

After reading this wonderful book about our sense of touch, think about some of the questions below.



What sensations can we feel?

What terms do we use to describe texture?

What types of things do you touch during the day?

MOST*

HELPFUL TERMS

Fuzzy

Goey

Rough

Sharp

Silky

Smooth

Tactile

Texture

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New York State Standards

Elementary

Classifying, communicating, comparing and contrasting, gathering and organizing data, inferring, interpreting data, manipulating materials, observing

Standard 1: Scientific Inquiry: Key Idea 1: s1.1a, s1.1b, s1.3

Skills and Strategies for Interdisciplinary problem solving: Working effectively, gathering and processing information, presenting ideas

General Skills:

I, iii, iv, ix, x, xii, xiii, xvii, xviii

Standard 4: The living Environment
Key idea 3: 3.1a

Activity: Slime!!!

MATERIALS NEEDED

1 Teaspoon Borax Powder

1.5 Cups of Water

4 Ounces (120ml) of Glue
(e.g. Elmer's White Glue)

Teaspoon

Bowl

Jar

Measuring Cup

Food Coloring (optional)

Mixing Spoon

Students should be able to:

Design a texture book, and
use appropriate texture terms.

Given an assortment of texture
items, describe the texture.

In this activity, you will create a very gooey substance: SLIME!!
Creation time is 15 minutes.

What to do:

1. Pour the glue into the jar. (4 oz)
2. Fill the empty glue bottle with water and stir it into the glue (or add 1/2 cup of water). If desired, add food coloring. Otherwise, the slime will be an opaque white.
3. In a separate bowl, mix one cup (240 ml) of water into the bowl and add 1 teaspoon (5 ml) of borax powder.
4. Slowly stir the glue mixture into the bowl of borax solution.
5. Place the slime that forms into your hands and knead until it feels dry. (Don't worry about the excess water remaining in the bowl.)
6. The more the slime is played with, the firmer and less sticky it will become.
Have fun!
7. Store your slime in a zip-lock bag in the fridge (otherwise it will develop mold).

Helpful Tips:

Use white glue, such as Elmer's brand. Most "school glues" do not have the correct composition.

Don't eat the slime - it isn't especially toxic, but not good for you either!

Slime cleans up pretty easily. Remove dried slime after soaking with water.

Always wear safety glasses when mixing ingredients.

If the students are old enough, have the students make the slime. Go to:

<http://chemistry.about.com/cs/howtos/ht/slime.htm>

Activity: Sensory Identification

In this activity, your students will have a chance to identify items by touch and describe the way the items feel in their hands.

What to do:

1. Create sensory stations in your classroom. You will need 1 station per four students approximately.
2. At each station prepare an assortment of sensory materials. Place each item on a small paper plate that is numbered. Be sure to record what texture is with what number for your own purposes.

Sensory Material Ideas: pieces of sandpaper, silky materials, cotton balls, marbles, paper clips, play dough, slime, feathers, leather-like items, etc.

3. In groups of four have the students feel the items and describe them on their collection charts.
4. Then have the student glue their items to paper. One item per sheet of paper.
5. Have the student write the appropriate texture word underneath their items. You can invite them to make up rhymes or stories using the words too.

MATERIALS NEEDED

Various texture items

Small paper plates

Collection Chart (1 per student)

Students should be able to:

Describe textures when given an assortment of items.

Sensory Identification Collection Chart

Name:

Date:

Item Number	Description of Texture (feeling)	Other Comments