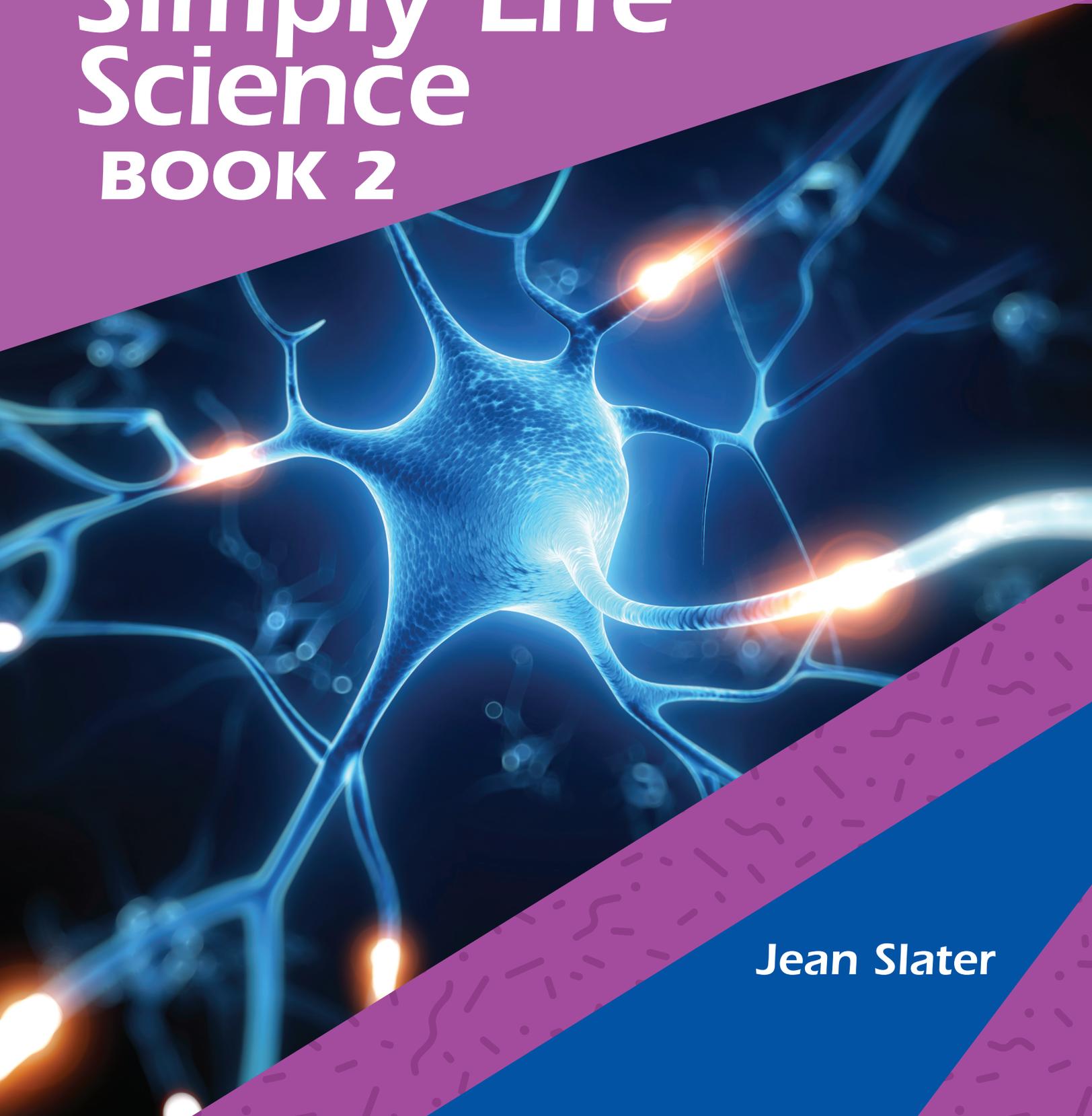


Attainment's
**Simply Life
Science**
BOOK 2



Jean Slater

Attainment's
Simply Life Science
Student Book 2

By Jean Slater

Edited by René Zelt

Cover Design by Josh Eacret

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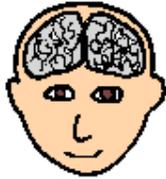
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Nervous System



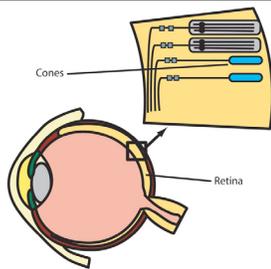
Vocabulary



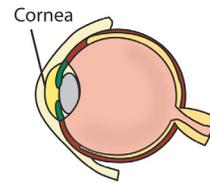
brain



cell



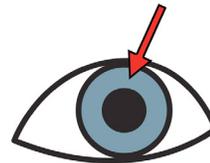
cones



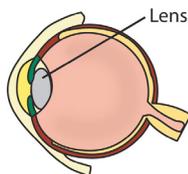
cornea



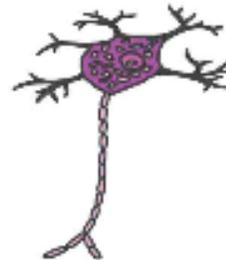
eyes



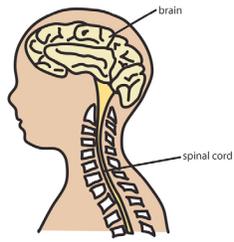
iris



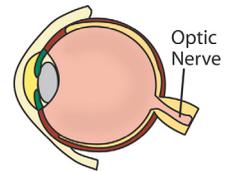
lens



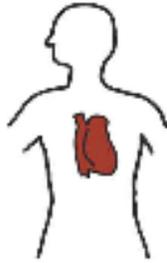
nerve



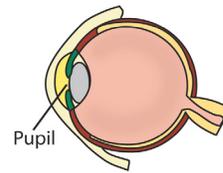
nervous system



optic nerve



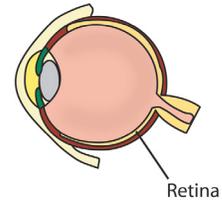
organ



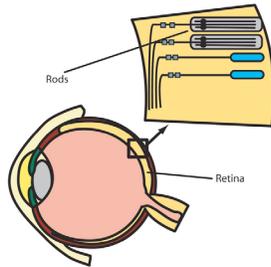
pupil



reflex



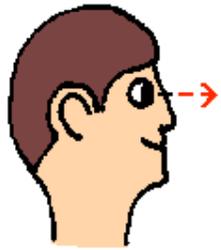
retina



rods



sensitive



sight



skull



spinal cord

Vocabulary Definitions



brain

The organ inside your head that



controls



your



body

&

and



allows you



to think

&

and



have

feelings.



cell

The basic part of plants

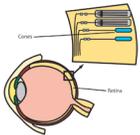


&

and



animals.



cones

Nerve cells in the eye that see colors.



Nerve



cells



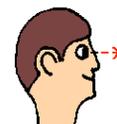
in



the eye



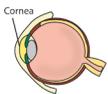
that



see



colors.

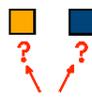


cornea

The clear, dome - shaped outer part of the



eyeball



which



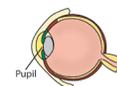
covers



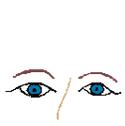
the iris

&

and



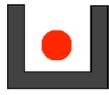
the pupil.



eyes



Organs



in



your



head



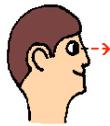
that



you

use

to



see

with.



iris



The round, colored part of



your



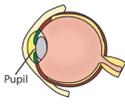
eye



around



your



pupil.



lens

The part of the eye



that



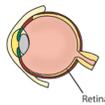
focuses



light



on

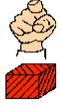
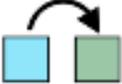


the retina.

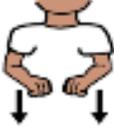


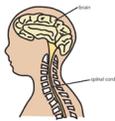
nerve

A  that  sends  messages  between 

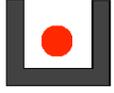
 your  brain  or  spinal cord  and  other

parts of your   body so that  you 

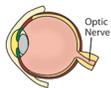
 can  move  and  feel.



nervous system

A system  in the body  that includes the  

 brain,  spinal cord,  and  nerves.



optic nerve

The bundle of nerves from the  retina  and 



organ

A part of the body



that



does a particular



job.



pupil

The round, black part of the eye



that



lets light



travel



through

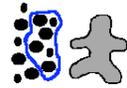


it.



reflex

Something



that

happens automatically

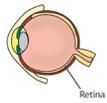
without



a person's

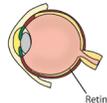


control.



retina

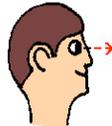
The back of the eyeball which is sensitive



to light. The retina sends pictures of the things

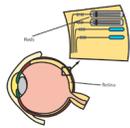


you



see

to the brain.



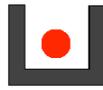
rods



Nerve



cells



in



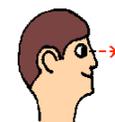
the



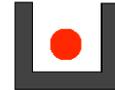
eye



that



see



in



dim light.



senses



How a living animal learns about the things



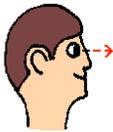
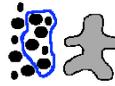
around



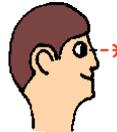
it.



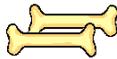
sensitive Reacting to something, even the littlest change.



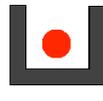
sight The ability to see.



skull The bones of the head that protect the brain.



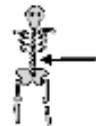
spinal cord The thick cord of nerves that are



in



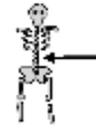
your



spine



or

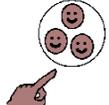
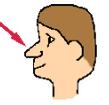


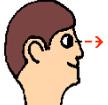
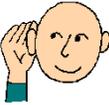
backbone.

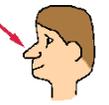
The Sense of Seeing

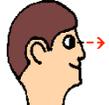
Introduction

     
All living things learn about the things around

       
them from their eyes, ears, tongue, nose, and skin.

      
People see with their eyes, hear with their ears,

      
taste with their tongues, smell with their noses, and

       
feel things with their skin. Sight, hearing, touch, taste,

   
and smell are the five senses.



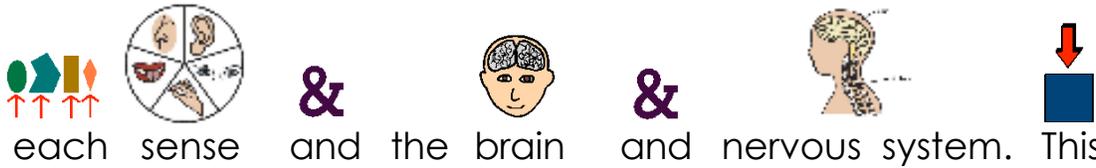
All of the senses are part of the **nervous system**. The



nervous system includes your spinal cord and your brain.



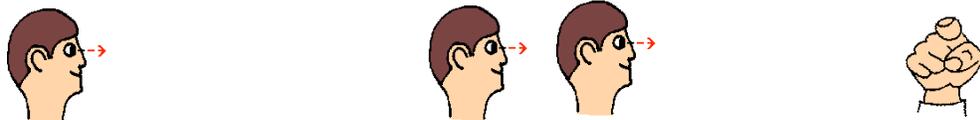
As you study these chapters, you will learn about



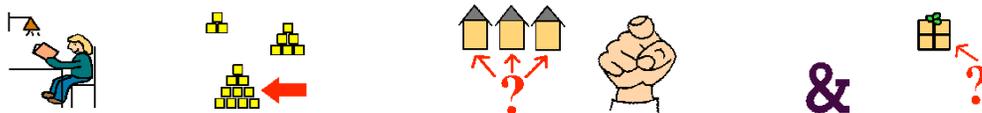
each sense and the brain and nervous system. This



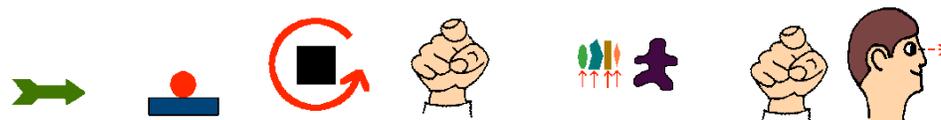
chapter will teach you about the sense of sight.



Sight is the ability to see. Sight is the way you



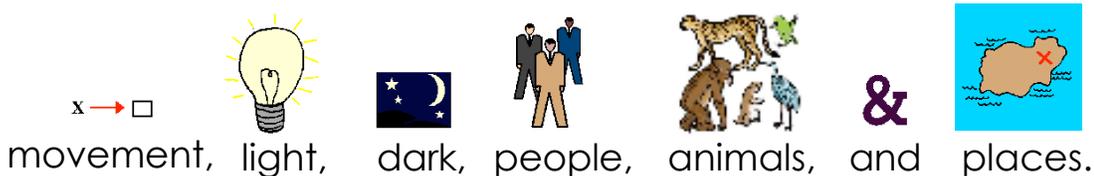
learn the most about where you are and what is



going on around you. Everything you see with



your eyes is the sense of sight. You can see colors,



movement, light, dark, people, animals, and places.

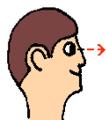




Your eyes are amazing **organs**. Organs are part of the body



that do a particular job. The job of your eyes



is to see.



Look at your eyes up close in a mirror.



What color are your eyes? What color are your



teacher's eyes? Do you have the same color



eyes as your mother or father?



The iris is the colored part of your eye. Eye



colors are dark brown, light brown, blue, green, hazel,



and gray.



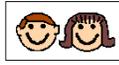
2



2



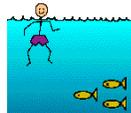
We have two eyes for a reason. Two eyes



give us the ability to judge whether objects are nearer

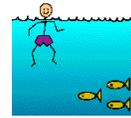


to us or farther away from us. This is called



2

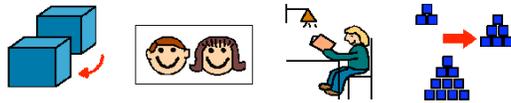
depth perception. Later you will do two activities



that will show you just what depth perception is.



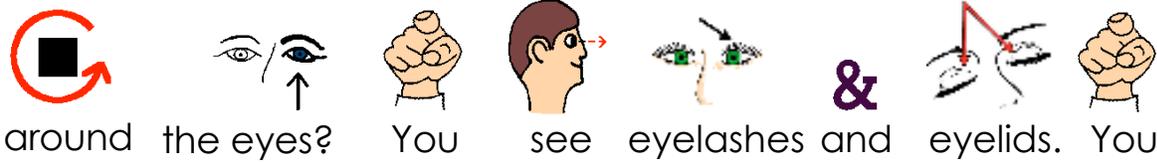
Your Body Protects Your Eyes



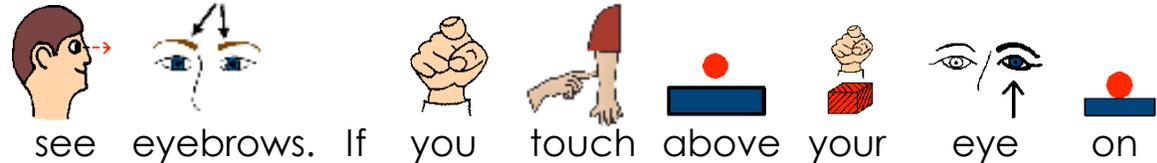
Before we learn more about the parts of the



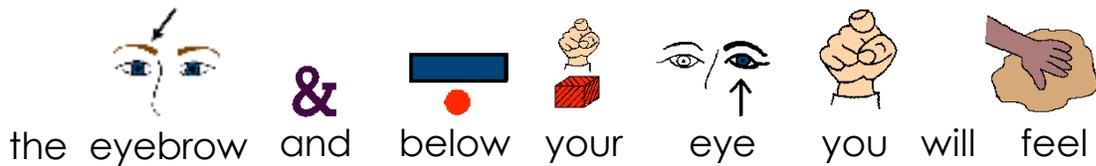
eye, go back to the mirror. What do you see



around the eyes? You see eyelashes and eyelids. You



see eyebrows. If you touch above your eye on



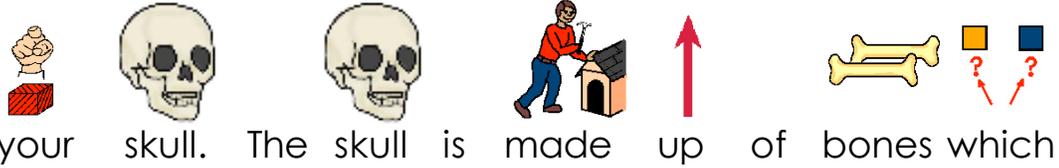
the eyebrow and below your eye you will feel



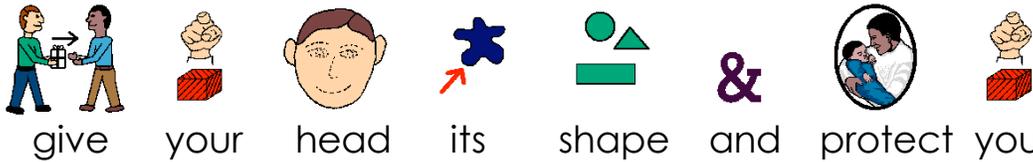
hard bone. Everything around your eyes protect them.



The hard bones around your eyes are part of



your skull. The skull is made up of bones which



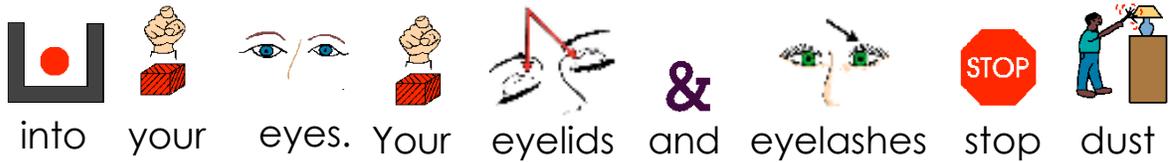
give your head its shape and protect your



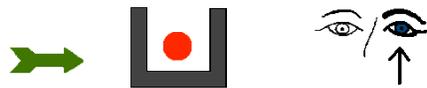
brain. The bones around the eye protect your eye



from getting hit. Eyebrows prevent sweat from dripping



into your eyes. Your eyelids and eyelashes stop dust



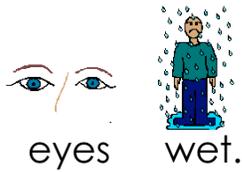
from going into the eye.



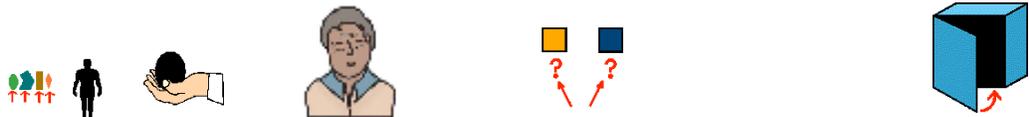
The eyelids and eyelashes also sweep away dust.



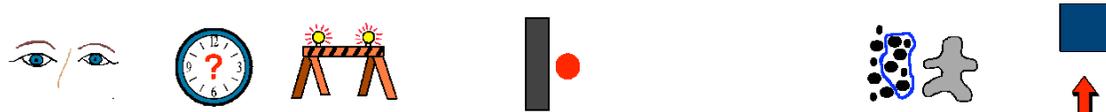
Your tears wash away dirt and keep your



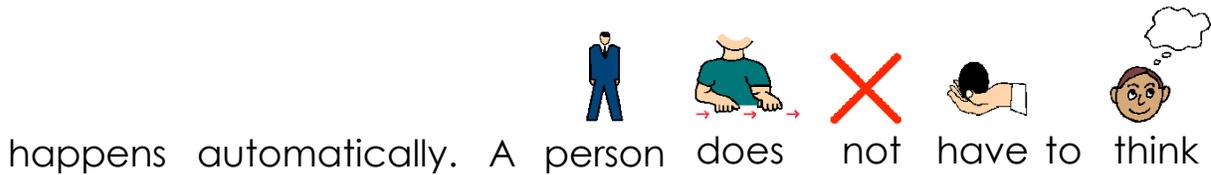
eyes wet.



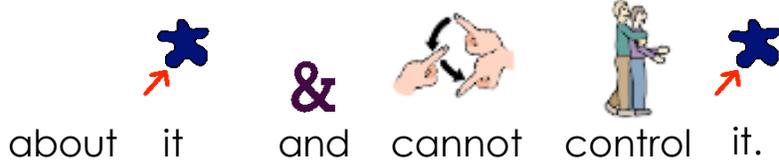
Everyone has a blink reflex which automatically closes



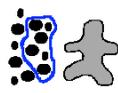
the eyes when danger is near. A reflex is something that



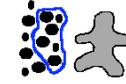
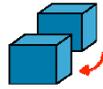
happens automatically. A person does not have to think



about it and cannot control it.



When something flies at your eyes very quickly,



you will blink before you even realize that something



is coming toward you.