



MY BODY Inside and Out!



My Amazing Sense of Taste



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My Amazing Sense of Taste



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Ruby Tuesday Books





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Words shown in **bold** in the text are explained in the glossary.



Good Tastes, Bad Tastes



Think about how good a juicy apple or your favorite ice cream flavor tastes.

Now think about how horrible a sip of milk tastes when the milk has gone bad.

Every time you eat or drink something, your **sense** of taste is hard at work.

It helps you enjoy the food and drink that you put into your mouth.

It can also warn you that the taste of something isn't right and could make you ill.

How exactly does your sense of taste work, though? Let's check it out!



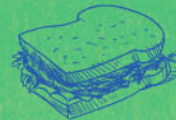
You have five senses that help keep you safe and help you enjoy your world. Your five senses are seeing, hearing, smelling, tasting, and touching.



Not everyone likes the same tastes. You might like a food that your best friend hates.



Get Ready to Taste



When it's time to eat or drink, your senses go into action.

Before you even take a bite, you see the food and smell it.

This makes your mouth start producing a slimy liquid called **saliva**, or spit.

Once the food is in your mouth, your teeth cut and chew it into small pieces.

Then your tongue works with your teeth to mix the chewed-up food with saliva.

As your tongue helps mash up the food, it **detects** the food's flavors.

You use your senses of sight and smell to get information about food.





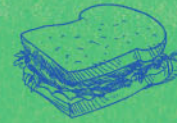
Your teeth and tongue mash up your food.

Your tongue is made up of lots of small **muscles**. This hardworking body part helps you talk, eat, and taste your food.





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Read More



Hewitt, Sally.

Tastes good! (Let's Start Science). New York: Crabtree Publishing Company (2008).

Rissman, Rebecca.

Tasting (The Five Senses). North Mankato, MN: Heinemann-Raintree (2010).

Learn More Online

To learn more about your sense of taste, go to
www.rubytuesdaybooks.com/mybodytaste

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MY BODY Inside and Out!



My Amazing Sense of Taste



When you take a bite of an apple, you taste sweet fruitiness. When you lick an ice cream cone, your mouth is filled with icy-cold creamy flavors. All day, every day, your sense of taste is hard at work. Find out how your tongue, nose, nerve cells, and brain work as a team to help you enjoy the food and drinks that you love.

Titles in this series

- My Amazing Sense of Hearing**
- My Amazing Sense of Sight**
- My Amazing Sense of Smell**
- My Amazing Sense of Taste**
- My Amazing Sense of Touch**
- What Happens When I Eat?**
- What Happens When I Grow?**
- What Happens When I Move?**
- What Happens When I Sleep?**



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