

Level C Unit 7

Senses: Taste and Smell



Lesson 1

- a. Remember, our senses tell us where things are, what they look like or feel like, and what kind of features they have.
- How many senses to we have? (Signal.) *5.*
 - Name them. (Signal.) *Hearing, vision, smell, taste, touch.*
- b. For each of the five senses you have sense organs that give you information.
- You have sense organs for hearing. What are the sense organs for hearing? (Signal.) *Ears.*
 - You have sense organs for vision. What are the sense organs for vision? (Signal.) *Eyes.*
 - What is the sense organ for smell? (Signal.) *Nose.*
 - Your sense organ for taste is your tongue. What's the sense organ for taste? (Signal.) *Tongue.*
 - The sensors for touch are all over your body. They let you know if something is touching you, where it is touching you, and how hard it is pressing. You can tell whether something is heavy or light. And these sensors tell you whether things are hot or cold.
- c. (Display **Tastes on Tongue Chart**:) [7:1A]

Tastes on Tongue Chart



- What's the organ that gives you information about how things smell? (Signal.) *Nose.*
- What's the organ that gives you information about how things taste? (Signal.) *Tongue.*

- d. Here are facts about taste and smell: Taste and smell work together. A lot of the taste that you experience when you eat is caused by the smell. When you are blindfolded and your nose is plugged, you have trouble tasting the difference between an onion and an apple. They taste the same when you have no sense of smell. You know that when you get a bad cold and can't smell well, things taste funny. They don't have much flavor at all.
- Remember, much of what you taste comes from your sense of smell.
- e. Here's a fact: You have sensors for many, many different kinds of smells, but you only have a few sensors for taste. The tongue is covered with the sensors for taste. These sensors are called taste buds. What are they called? (Signal.) *Taste buds.*
- Different taste buds pick up different tastes.
 - Here's a fact that is hard to believe: There are five different kinds of taste buds. You have taste buds for sweet, for salty, for sour, for bitter, and for savory.
- f. Once more: sweet, salty, sour, bitter, and savory.
- Your turn: Name the five flavors that you can taste. (Signal.) *Sweet, salty, sour, bitter, and savory.*
(Repeat step f until firm.)
 - You have five types of taste buds. That means everything you taste is a combination of sweet, salty, sour, bitter, and savory.
- g. Number your paper from 1 to 10. Get ready to write answers to these items. ✓
- 1. How many senses do you have?
 - 2. Name all of your senses.
 - 3. What organ do you use for the sense of taste?
 - 4. What other organ gives you information about things you taste?
 - 5. What are the taste sensors that you have called?
 - 6. How many different types of taste buds do you have?
 - 7. What are the five flavors that you can taste?
 - 8. Do you have more types of sensors for smell or for taste?
 - 9. What organs do you use for hearing and vision?
 - 10. Where are the sensors for touch?
- h. Check your work.
- Item 1. How many senses do you have? (Signal.) *5.*
 - Item 2. Name all of your senses. (Signal.) *Hearing, vision, smell, taste, touch.*
 - Item 3. What organ do you use for the sense of taste? (Signal.) *Tongue.*

- Item 4. What other organ gives you information about things you taste? (Signal.) *Nose.*
- Item 5. What are the taste sensors that you have called? (Signal.) *Taste buds.*
- Item 6. How many different types of taste buds do you have? (Signal.) *5.*
- Item 7. What are the five flavors that you can taste? (Signal.) *Sweet, salty, sour, bitter, and savory.*
- Item 8. Do you have more types of sensors for smell or for taste? (Signal.) *Smell.*
- Item 9. What organs do you use for hearing and vision? (Signal.) *Ears and eyes.*
- Item 10. Where are the sensors for touch? (Signal.) *All over your body.*

Lesson 2

- a. Remember, our senses tell us where things are, what they look like or feel like, and what kind of features they have.
- How many senses to we have? (Signal.) *5*.
 - Name them. (Signal.) *Hearing, vision, smell, taste, touch*.
- b. For each of the five senses you have sense organs that give you information.
- What are the sense organs for hearing?
(Signal.) *Ears*.
 - What are the sense organs for vision? (Signal.) *Eyes*.
 - What is the sense organ for smell? (Signal.) *Nose*.
 - What's the sense organ for taste? (Signal.) *Tongue*.
 - The sensors for touch are all over your body. They let you know if something is touching you, where it is touching you, and how hard it is pressing. You can tell whether something is heavy or light. And these sensors tell you whether things are hot or cold.
- c. Remember, taste and smell work together. A lot of the taste that you experience when you eat is caused by the smell. You know that when you get a bad cold and can't smell well, things taste funny. They don't have much flavor at all.
- Much of what you taste comes from your sense of smell.
- d. Here's a fact you learned yesterday: You have sensors for many, many different kinds of smells, but you only have a five sensors for taste. The tongue is covered with sensors for taste. These sensors are called taste buds. What are they called? (Signal.) *Taste buds*.
- Different taste buds pick up different tastes.
 - You only have five taste buds for taste. The flavors you can taste are sweet, salty, sour, bitter, and savory.
- e. Once more: sweet, salty, sour, bitter, and savory.
- Your turn: Name the five flavors that you can taste. (Signal.) *Sweet, salty, sour, bitter, and savory*.
- (Repeat step d until firm.)

- Everything you taste is a combination of sweet, salty, sour, bitter, and savory.
- f. What's the name of the organ that gives you information about smell?
(Signal.) *Nose.*
- What's the organ that gives information about taste? (Signal.) *Tongue.*
- What's the other organ that gives information about taste? (Signal.) *Nose.*
- What are taste sensors called? (Signal.) *Taste buds.*
- How many types of taste buds do you have? (Signal.) *5.*
- Name the five taste buds. (Signal.) *Sweet, salty, sour, bitter, savory.*
- Which has more types of sensors—taste or smell? (Signal.) *Smell.*
- If your nose is plugged, would you have trouble tasting the difference between an onion and an apple? (Signal.) *Yes.*
(Repeat step f until firm.)
- g. Number your paper from 1 to 10. Get ready to write answers to these items. ✓
 - 1. What is the organ for smell?
 - 2. What is the organ for taste?
 - 3. What are the taste sensors that you have called?
 - 4. If your nose is plugged, you have trouble tasting the difference between an onion and what?
 - 5. How many different types of taste buds do you have?
 - 6. What are the five flavors that you can taste?
 - 7. Do you have more types of sensors for taste or for smell?
 - 8. How many senses do you have?
 - 9. Where are your sensors for touch?
 - 10. What are your sense organs for vision and hearing?
- h. Check your work.
 - Item 1. What is the organ for smell? (Signal.) *Nose.*
 - Item 2. What is the organ for taste? (Signal.) *Tongue.*
 - Item 3. What are the taste sensors that you have called? (Signal.) *Taste buds.*
 - Item 4. If your nose is plugged, you have trouble tasting the difference between an onion and what? (Signal.) *Apple.*
 - Item 5. How many different types of taste buds do you have? (Signal.) *5.*
 - Item 6. What are the five flavors that you can taste? (Signal.) *Sweet, salty, sour, bitter, and savory.*

- Item 7. Do you have more types of sensors for taste or for smell? (Signal.) *Smell.*
- Item 8. How many senses do you have? (Signal.) *5.*
- Item 9. Where are your sensors for touch? (Signal.) *All over your body.*
- Item 10. What are your sense organs for vision and hearing? (Signal.) *Eyes and ears.*

Lesson 3

REGULAR LESSON/MASTERY TEST • FRIDAY REVIEW

- a. Number your paper from 1 to 10. Get ready to write answers to these items. ✓
- 1. What is the organ for taste?
 - 2. What is the organ for smell?
 - 3. How many types of taste buds do you have?
 - 4. What other organ gives you information about taste?
 - 5. What are the names of the flavors that you can taste?
 - 6. Do you have more types of sensors for smell or for taste?
 - 7. How many senses do you have?
 - 8. What are the names of the senses?
 - 9. What organs do you use for vision and hearing?
 - 10. Where are the sensors for touch?
- b. Check your work. (Accept spelling approximations.)
- Item 1. What is the organ for taste? (Signal.) *Tongue.*
 - Item 2. What is the organ for smell? (Signal.) *Nose.*
 - Item 3. How many types of taste buds do you have? (Signal.) *5.*
 - Item 4. What other organ gives you information about taste? (Signal.) *Nose.*
 - Item 5. What are the names of the flavors you can taste? (Signal.) *Sweet, salty, sour, bitter, and savory.*
 - Item 6. Do you have more types of sensors for smell or for taste? (Signal.) *Smell.*
 - Item 8. What are the names of the senses? (Signal.) *Hearing, vision, smell, taste, touch.*
 - Item 9. What organs do you use for vision and hearing? (Signal.) *Eyes and ears.*
 - Item 10. Where are the sensors for touch? (Signal.) *All over your body.*

Note: If students score less than 90% accuracy on the items, repeat in random order until firm.

Lesson 4

REGULAR LESSON/MASTERY TEST • FRIDAY REVIEW

- a. Number your paper from 1 to 10. Get ready to write answers to these items. ✓
- 1. How many senses do you have?
 - 2. What are the names of the senses?
 - 3. Do you have more types of sensors for taste or for smell?
 - 4. What is the organ for smell?
 - 5. How many types of taste buds do you have?
 - 6. What are the names of the flavors you can taste?
 - 7. What is the organ for taste?
 - 8. What other organ gives you information about taste?
 - 9. Where are the sensors for touch?
 - 10. What organs do you use for vision and hearing?
- b. Check your work. (Accept spelling approximations.)
- Item 1. How many senses do you have? (Signal.) *5.*
 - Item 2. What are the names of the senses? (Signal.) *Hearing, vision, smell, taste, touch.*
 - Item 3. Do you have more types of sensors for taste or for smell? (Signal.) *Smell.*
 - Item 4. What is the organ for smell? (Signal.) *Nose.*
 - Item 5. How many types of taste buds do you have? (Signal.) *5.*
 - Item 6. What are the names of the flavors you can taste? (Signal.) *Sweet, salty, sour, bitter, and savory.*
 - Item 7. What is the organ for taste? (Signal.) *Tongue.*
 - Item 8. What other organ gives you information about taste? (Signal.) *Nose.*
 - Item 9. Where are the sensors for touch? (Signal.) *All over your body.*
 - Item 10. What organs do you use for vision and hearing? (Signal.) *Eyes and ears.*

Note: If students score less than 90% accuracy on the items, repeat in random order until firm.





National Institute for Direct Instruction (NIFDI)

P.O. Box 11248
Eugene, Oregon 97440
Voice 1-877-485-1973
Fax (541) 683-7543
E-Mail: info@nifdi.org