Name:	Data:	
Name	Date:	

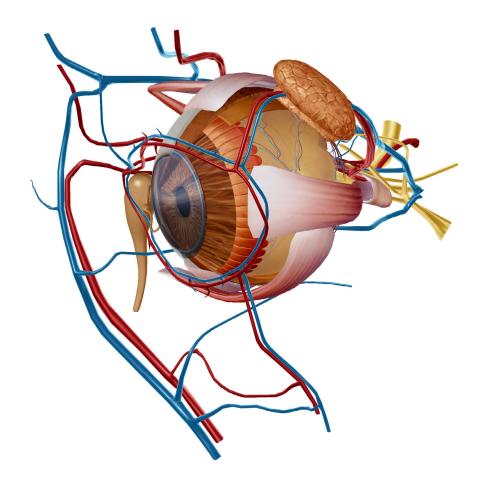
# **Activity 1: Anatomy of the Eye and Ear Lab**

#### 1. Launch the view!

- If you're already in AR mode: point your camera\* at the image below.
- If you're not in AR mode:
  - Open Visible Body Suite.
  - Search for and select the view "Eye."
  - 😭 Launch AR mode.

## 2. Explore the eye.

- Find each structure in the word bank, study its location, read the definition, and listen to the pronunciation.
- In the table, list each structure from the word bank under the correct layer of the eye.



<sup>\*</sup> Augmented Reality (AR) is supported on many iPhones, iPads, and Android mobile devices. See details at visiblebody.com/ar

Name:		Date:	Date:	
Word bank:				
<ul> <li>Choroid</li> </ul>	• Iris			
<ul> <li>Ciliary body</li> </ul>	• Retina			

<ul> <li>Cone cells</li> </ul>	<ul> <li>Rod cells</li> </ul>
• Cornea	<ul> <li>Sclera</li> </ul>

Fibrous Layer	Vascular Layer	Inner Layer

Name:	Date:

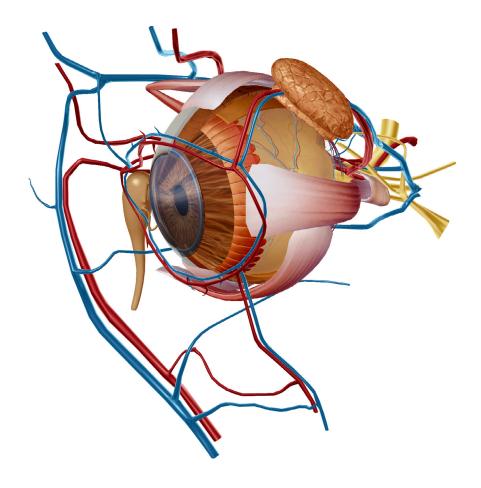
# **Activity 2: Anatomy of the Eye and Ear Lab**

#### 1. Launch the view!

- If you're already in AR mode: point your camera at the image below.
- If you're not in AR mode:
  - Open Visible Body Suite.
  - Search for and select the view "Eye."
  - 🕄 Launch AR mode.

# 2. Find the key structures of the eye.

- Read the definition of the structures listed in the word bank.
- In the table, list each structure from the word bank under the function it performs.



Name: Date:	
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## Word bank:

• Choroid

• Iris

• Optic nerve

• Ciliary body

• Lacrimal gland

• Retina

• Cornea

• Lacrimal sac

• Sclera

• Eyelid

Lateral rectus

• Superior rectus

• Inferior oblique • Inferior rectus

• Lens

Medial rectus

Protection and Nutrition	Movement	Accommodating Light	Nerve Impulse Transmission

Name: D	)ate:
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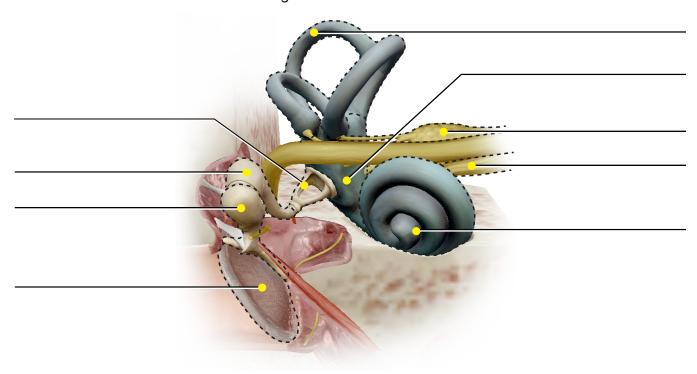
# **Activity 3: Anatomy of the Eye and Ear Lab**

#### 1. Launch the view!

- If you're already in AR mode: point your camera at the image below.
- If you're not in AR mode:
  - Open Visible Body Suite.
  - Search for and select the view "Ear."
  - 😭 Launch AR mode.

## 2. Label the image.

- Explore the 3D model of the inner ear to locate the anatomy in the structure list.
- Use the structure list to label the image.



#### **Structure list:**

- 1. CN 08 (VIII) Vestibulocochlear
- 2. CN 08 (VIII) Cochlear
- 3. Cochlea
- 4. Incus
- 5. Malleus

- 6. Semicircular canals
- 7. Stapes
- 8. Tympanic membrane
- 9. Vestibule

Name:	Date:

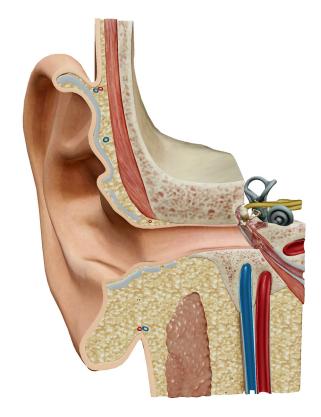
# **Activity 4: Anatomy of the Eye and Ear Lab**

#### 1. Launch the view!

- If you're already in AR mode: point your camera at the image below.
- If you're not in AR mode:
  - Open Visible Body Suite.
  - Search for and select the view "Ear."
  - 🕄 Launch AR mode.

#### 2. Fill in the blanks.

- Find the structures listed in the word bank.
- Read the definitions, then fill in the blanks with the correct ear structures from the word bank.



Name:		Date:
Word bank:		
<ul><li>Auricle</li></ul>	<ul> <li>Malleus</li> </ul>	<ul> <li>Tympanic membrane</li> </ul>
<ul> <li>Cochlea</li> </ul>		<ul> <li>Vestibule</li> </ul>
<ul> <li>External acoustic</li> </ul>	<ul> <li>Outer ear</li> </ul>	
meatus	<ul> <li>Oval window</li> </ul>	
• Incus	<ul> <li>Semicircular cana</li> </ul>	ls
• Inner ear	• Stapes	
The	. known as the	e "stirrup," is one of the auditory ossicles of the
		and incus, in transferring vibrations from the
tympanic membrane to t		
		_
The	funnels sound	d waves. It consists of the auricle and the external
acoustic meatus. It is the		
The	is a spiral-sha	aped structure of the inner ear that looks like a
		ee auditory ossicles, fluid inside it moves. These
		rvous system receptors. Signals travel to the brain,
where they are interpret	ed as sound.	
The	is a passagev	vay from the bottom of the concha to the tympanic
membrane. It forms an S		,
	•	
The	contains fluid	I-filled canals that contribute to hearing and
		contains two types of labyrinths: A bony labyrinth
		ular canals and the vestibule, and a membranous
labyrinth.	<b>3</b>	
The	contains thre	e auditory ossicles, the malleus, incus, and stapes.
		and the state of t
The	, known as the	e "hammer," is one of the auditory ossicles of the
middle ear. It plays a key	role in transferring vib	prations from the tympanic membrane to the incus
to facilitate hearing.		

Name:	Date:
Thelobule.	is composed of a curved helix and an inferior part called the
the inner ear: superior, the ampulla, which cor	provide sensory input for equilibrium. There are three of these in posterior, and lateral. Each of these has an expansion at one end, called ntains fluid known as endolymph. As the head rotates or moves, the lymph causes hair cells to bend, generating nerve impulses.
middle ear. It plays a k	, known as the "anvil," is one of the auditory ossicles of the ey role, with the malleus, in transferring vibrations from the tympanic es to facilitate hearing.
	, also known as the ear drum, is a thin, nearly oval membrane. ike this structure, it creates vibrations that travel to the bones of the hearing.
The	is the central part of the bony labyrinth of the inner ear.
of the inner ear. Vibrat	is an opening that leads from the middle ear to the vestibule ions, transferred from bone to bone in the middle ear, hit this membrane, ad build pressure waves in the cochlea. This begins a process that ses.