

Chapter 17 Practice Exam Study Guide

- 1) If someone has a stuffy nose their ____ sense is inhibited and this can also inhibit their sense of ____ even though that is primarily thought to deal with gustation.
 - A) Equilibrium, Hearing
 - B) Gustatory, Olfactory
 - C) Vision, Hearing
 - D) Olfactory, Gustatory
- 2) The Olfactory epithelium, bulb, and tract are contained within the what?
 - A) Nose
 - B) Kidneys
 - C) Ears
 - D) Eyes
- 3) The flavor Umami is one that most people don't think of as one of the primary senses of taste but it represents what type of flavors?
 - A) Salty
 - B) Sour
 - C) Nothing
 - D) Savory
 - E) Sweet
- 4) The four "Primary" taste senses are?
 - A) Sweet, Sour, Salty, Brothy
 - B) Watery, Sweet, Sour, Salty
 - C) Sweet, Sour, Salty, Bitter
 - D) Sweet, Sour, Umami, Salty
 - E) Fishy, Meaty, Fruity, Sugary
- 5) The only type of papillae that does not contain taste buds is the?
 - A) Fungiform
 - B) Vallate
 - C) Foliate
 - D) Filiform
- 6) The taste receptors that match no flavor but instead a lack of flavor as in an ingested substance that has a neutral PH are the ____ receptors?
 - A) Sweet
 - B) Sour
 - C) Savory
 - D) Water
- 7) The Cranial nerve that deals with the sense of smell is the?
 - A) Olfactory
 - B) Optic
 - C) Vagus
 - D) Occulomotor
- 8) Someone experiencing vertigo has an issue with the connection between this cranial nerve and the internal part of the ear?
 - A) Vagus
 - B) Vestibulocochlear

- C) Facial
 - D) Trigeminal
- 9) The Glossopharyngeal Nerve innervates the ____ and is involved with the special sense ____?
 - A) eyes, vision
 - B) lips, speech
 - C) tongue, gustation
 - D) tongue, third-sight
 - 10) One of the primary functions of the production of tears outside of clearing debris from the area surrounding the eye and keeping the eye moist is ____ and is created within the lacrimal gland?
 - A) moistening
 - B) inflammation
 - C) lysosomal/antibacterial
 - D) creating new eye lashes
 - 11) The human eye has ____ cones that each are attuned to a certain wave-length of light and they are attuned to ____, ____ and ____ wave-lengths of light allowing us to see almost all colors and even some that don't exist in nature such as violet.
 - A) 4, Red, Blue, Green
 - B) 3, Red, Blue, Green
 - C) 3, Orange, Magenta, Cyan
 - D) 4, Orange, Magenta, Cyan
 - 12) The "blind spot" in the eye is the ____ and it is where the ganglions of the axons connect to the walls of the eye at the most ____ part of the eye.
 - A) Pupil, Superficial
 - B) Retina, Posterior
 - C) Cornea, Superior
 - D) Optic Disc, Inferior
 - E) Optic Disc, Anterior
 - 13) The Tympanic membrane of the ear is located at the entrance of the ____ part of the ear.
 - A) Middle
 - B) Inner
 - C) Outer
 - D) External
 - 14) Pressure waves moving through the air hit the tympanic membrane and cause the vibrations to move the auditory ossicles that then transfer those waves into the ____ causing the sensation of ____ to be experienced in a healthy adult.
 - A) Cochlea/Internal Ear, hearing
 - B) Cochlea/Internal Ear, vision
 - C) External Meatus, hearing
 - 15) The innermost layer of the eye is the ____?
 - A) Cornea
 - B) Uvea
 - C) Retinal
 - D) Sclera
 - 16) The most superficial part of the eye that is exposed to outside world is the ____?
 - A) Lens
 - B) Pupil
 - C) Iris

- D) Cornea
- 17) The pigmented portion of the eye is the ____?
 - A) Cornea
 - B) Iris
 - C) Lens
 - D) Pupil
- 18) The “whites” of someone’s eyes is actually the?
 - A) Lens
 - B) Pupil
 - C) Cornea
 - D) Sclera
 - E) Iris
- 19) The ____ cavity of the eye that helps to stabilize the shape of the eye is the ____ and has a constituency akin to mint jelly.
 - A) Posterior, Vitreous
 - B) Anterior, Aqueous
 - C) Posterior, Aqueous
 - D) Anterior, Vitreous
- 20) The Vagus and ____ cranial nerve also innervate the tongue’s taste buds.
 - A) Abducens
 - B) Facial
 - C) Hypoglossal
 - D) Accessory

Chapter 17 Answer Key

- 1) D. Olfactory, Gustatory
- 2) A. Nose
- 3) D. Savory
- 4) C. Sweet, Sour, Salty, Bitter
- 5) D. Filiform
- 6) D. Water
- 7) A. Olfactory
- 8) B. Vestibulocochlear
- 9) C. tongue, gustation
- 10) C. lysosomal/antibacterial
- 11) B. 3, Red, Blue Green
- 12) B. Retina, Posterior
- 13) A. Middle
- 14) A. Cochlea/Internal Ear, hearing
- 15) C. Retinal
- 16) D. Cornea
- 17) B. Iris
- 18) D. Sclera
- 19) A. Posterior, Vitreous
- 20) B. Facial