



# Multiple Choice Answer Key & Explanations

## Sensation and Perception

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1. Ali was listening to her daughter sing at her choir concert. During the concert Ali could always clearly hear her daughter's voice amongst all the other voices singing.. Which gestalt principle would explain this situation?	
A. Proximity	This is not the correct answer. This happens when objects are placed close together they appear to be one object
B. Similarity	This is not the correct answer. This is when objects that look the same or are in a specific pattern appear to be one object
C. Closure	This is not the correct answer. This is the idea that when something is incomplete a person's mind will subconsciously fill in the missing information
D. Continuation	This is not the correct answer. This is when a person is viewing something they will continue to view the entire object and move to the next object
<b>E. Figure and Ground</b>	<b>This is the correct answer. This is the tendency of a person to simplify information into figures, and everything else as ground (background)</b>

2. Which of the following would best explain why when looking out of the window of a moving car objects that are farther away appear to be moving slowly, while objects that are close appear to be moving quickly?	
A. Linear perspective	This is not the correct answer. This helps a person understand depth and location
<b>B. Motion parallax</b>	<b>This is the correct answer. This is when objects that are closer to a person appear to be moving quickly, while items farther away appear to be moving slowly</b>
C. Sensory transduction	This is not the correct answer. This is when an outside stimulus activates a person's sensory neurons
D. Interposition	This is not the correct answer. This is when an object is blocking another object, the object in full view will appear closer
E. Texture and gradient	This is not the correct answer. This is when parts of an image are clear they appear to be closer, compared to parts of an image that lack details

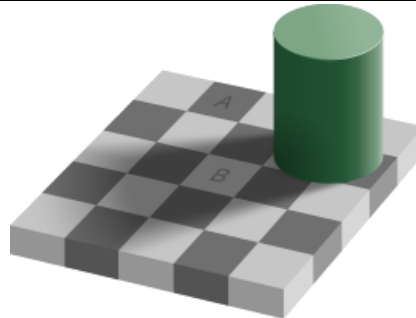


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3. When watching the Mr. Sinn channel Mara never noticed the subscribe button in any of Mr. Sinn's videos. According to the signal detection theory, if the signal is present in the videos and Mara said that there was no signal what has occurred?

A. Hit	This is not the correct answer. This is when a person says they saw a signal and it was present
B. False alarm	This is not the correct answer. This is when a person says they saw a signal and it was absent
<b>C. Miss</b>	<b>This is the correct answer. This is when a person says they did not see a signal and it was present</b>
D. Correct rejection	This is not the correct answer. This is when a person says they did not see a signal and it was not present
E. Subliminal messaging	This is not the correct answer. This is when a stimulus is presented to an individual below their absolute threshold



4. Which of the following perceptual constancies best connects with the image above?

A. Size constancy	This is not the correct answer. This is the tendency of the brain to perceive objects as the same size
<b>B. Color constancy</b>	<b>This is the correct answer. This is the perception of the color of an object to remain the same even if the lighting changes</b>
C. Shape constancy	This is not the correct answer. This is the tendency to perceive an object as having the same shape even when moving
D. Interposition	This is not the correct answer. This is when an object is blocking another object that object will appear closer
E. Texture and gradient	This is not the correct answer. This is when parts of an image are clear they appear to be closer, compared to parts of an image that lack details



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Do you find this  
smile to read?  
Because of the  
phonemic power  
of the human mind,  
most people do.

5. Your ability to read the image above can be explained by...	
A. Gustation	This is not the correct answer. This is the sensations of tasting
B. Kinesthesia	This is not the correct answer. This is the perception of the position and movement of individual body parts
C. Vestibular sense	This is not the correct answer. This is the ability of a person to maintain balance
D. Bottom-up processing	This is not the correct answer. This is when you do not have prior knowledge on a topic and use lower level cognition
<b>E. Top-up processing</b>	<b>This is the correct answer. This is when you are interpreting the information that is being presented to you by using prior knowledge and past experiences</b>

6. The ability for a person to see fine details, have clear vision, and see color comes from _____	
A. The cornea	This is not the correct answer. This protects the eye and allows for light to bend
B. Rods	This is not the correct answer. These allow a person to see in dim light
C. The choroid layer	This is not the correct answer. This area has blood vessels that help keep the retinal cells healthy
D. The sclera	This is not the correct answer. This is the outside layer of the eye, which protects the eye
<b>E. Cones</b>	<b>This is the correct answer. These allow a person to see fine details, allows them to have clear vision, and allows them to see color</b>



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7. Blake is experiencing blurry vision and the lens of his eye is cloudy. Which of the following answers would best connect with what Blake is experiencing?	
A. Astigmatism	This is not the correct answer. This is when the cornea is irregularly shaped
<b>B. Cataracts</b>	<b>This is the correct answer. This is the lens of a person's eye becomes cloudy and their vision becomes blurry</b>
C. Opponent-processing theory	This is not the correct answer. This theory states that information received from the cones is sent to ganglion cells, causing some neurons to become excited and other inhibited
D. Sclera	This is not the correct answer. This is the outside layer of the eye, which protects the eye
E. Synesthesia	This is not the correct answer. This is a neurological condition where when one of an individual's senses is stimulated it will result in stimulating another sense at the same time

8. Which part of the ear is being described? This part of the ear is located above the cochlea and filled with fluid. When a person tips their head it causes the fluid to shift causing the nerves to become stimulated which sends signals to the brain about the position of the person's head.	
A. Pinna	This is not the correct answer. This is the outer part of the ear that is made up of cartilage
B. Malleus	This is not the correct answer. This bone helps with amplifying sound sent from the eardrum to the inner ear (Also called the hammer)
<b>C. Semicircular canals</b>	<b>This is the correct answer. This part of the ear helps with balance</b>
D. Organ of corti	This is not the correct answer. This part of the ear has sensory receptors that help with hearing
E. Oval window	This is not the correct answer. This is located in opening in the wall of the cochlea and is covered with a membrane that helps amplify sounds



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9. Susan and Dave went to a rock concert and danced the night away in front of the speakers. After spending all night in front of the stage they struggled hearing the same clarity, loudness, and range of sounds that they could hear before the concert. Which of the following answers best explains what may have happened?	
A. Conductive hearing loss	This is not the correct answer. This is when sound waves cannot move through the outer ear to the middle ear and inner ear (Typically because something is blocking the outer ear)
<b>B. Sensorineural hearing loss</b>	<b>This is the correct answer. This is when a person has damaged their cilia and possibly the auditory nerve (Over exposure to loud sounds for a prolonged time could be the cause in the situation above)</b>
C. Olfactory hearing loss	This is not the correct answer. Olfactory would connect with smell and would have nothing to do with hearing loss
D. Stereocilia	This is not the correct answer. These are tiny hairs that protrude from the hair cells of the organ of corti along the basilar membrane
E. Nociceptor hearing loss	This is not the correct answer. Nociceptors are pain receptors located in the dermis. There is no such thing as nociceptor hearing loss

10. Which of the following layers of skin gives a person their skin color and creates a barrier to protect a person?	
A. Hypodermis	This is not the correct answer. This is a layer of fat that helps insulate a person's tissues and absorbs
B. Nociceptors	This is not the correct answer. These are pain receptors located in the dermis
C. Dermis	This is not the correct answer. This is made up of two layers, this is connective tissue that is where you blood vessels and nerve endings are located
<b>D. Epidermis</b>	<b>This is the correct answer. This is the outside layer of your skin</b>
E. Proprioceptors	This is not the correct answer. These are sensory receptors located in various muscles and tendons that allow for the brain to gain a better sense of the position and movement of a person's limbs