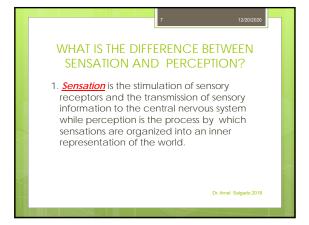


The sensation and perception denote the neurological functioning which can be attributed as a part of vital signs. It is when the client losses all his senses and perceiving capability that he can be declared as dead.

Dr. Arnel Salgado 2018



4. Sensation is the passive process of bringing information from the outside world into the body and to the brain while perception is the active process of selecting, organizing and interpreting information brought to the brain by the senses.

2. To sense something has to have a certain level. Absolute threshold is the minimum amount of sensory stimulation that can be noticed 50% of the time. Difference threshold is the smallest

How do we know what information is important and should be focused on?

1. Selective Attention. It is the process of discriminating between what is important and not important and is affected by motivation.

2. Perceptual Expectancy. It is how we perceive the world, a function of our previous culture, biological make-up and experiences.

3. <u>Sensation</u> is the detection of stimuli from the body or environment while perception is the act of interpreting sensory input as signaling a particular object or event.

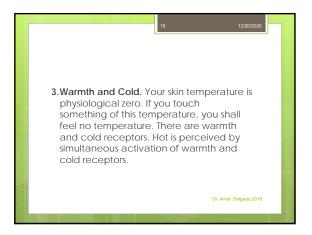
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Vision

• The human eye is essentially an energy detector. The eye can distinguish between some types of electromagnetic energy.

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• Amplitude or intensity is the height of the sound wave peak just like with the visual wave. The higher the amplitude, the louder the sound.

 • Timbre is the mixture of sound waves that determines the tonal qualities of what we hear.

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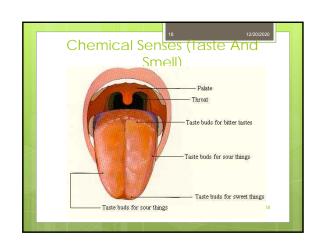


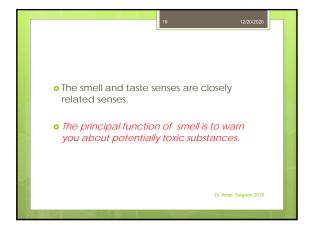
SKIN SENSATION

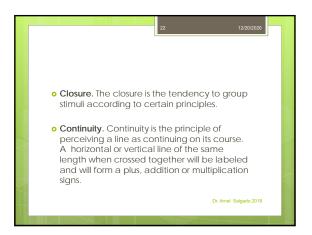
1. Touch is perceived through the sensory receptors in the skin. Our sensitivity varies depending on the part of our body. Some areas of the body have receptors. Fingers and mouth are the most sensitive.

2. Pain has no specific receptors. This is caused by damage to bodily tissues which give out chemical substances that stimulate pain neurons.

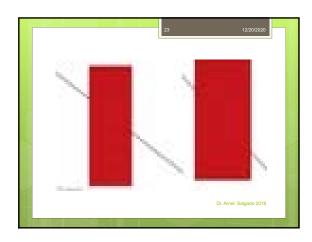
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• When you smell, molecules enter the nose and are dissolved in nasal tissue. This brings them into contact with receptor cells which send information to the brain.

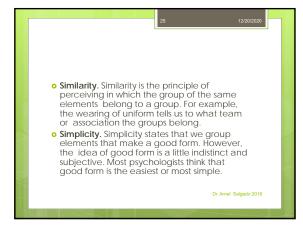


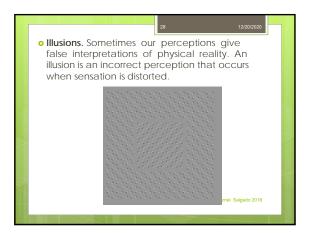
GESTALT PSYCHOLOGY THEORY OF PERCEPTUAL ORGANIZATION

• The Gestalt Psychologists presented the idea of figure and ground to help formulate the theory about human perceptual system.

• The figure is the perceived object in front of an illustration or display while the ground is the background that the figure (perceived object) stands out.

O Proximity. Proximity is the principle in which stimuli next to one another perceived a line as continuing on its course. It is the grouping of elements perceived to belong together. For example, two people who are friends in reality, often seen together are misinterpreted as lovers.





Common Fate. Common fate illustrates the elements that move together tend to group together. For example, when we see geese flying south for the winter, they appear to be in "V" shape.

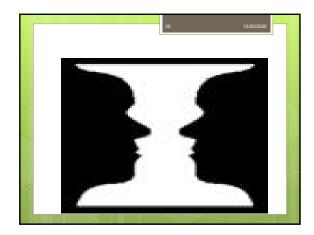
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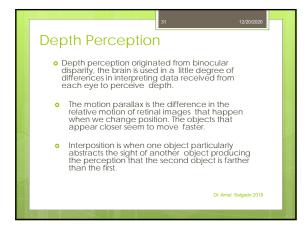
O Reversible figures – the ambiguous sensory information that creates more than one good form. For example, the picture of two faces looking toward each other that is also a vase. See Figure Ground.

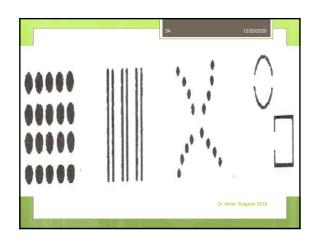
O Impossible figures – the objects that can be represented in 2-dimensional pictures but cannot exist in 3-dimensional space despite our perceptions. For example, the hands drawing each other, waterfall goes down and stays level at the same time.

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• Perceptual Constancy. This is our tendency to perceive objects as having constant or unchanging properties. Example, a man does not seem to shrink as he walks away.







Linear Perspective is the apparent merging of two parallel lines at a distance.

 Relative Size is the relationship between the size of an object projected on the retina and the distance of the object from the observer. The bigger the retinal image, the closer the object appears.

 Texture Gradient is the nearer an object is to you, the more texture you can see. As the object gets farther, the object appears smoother.

1. Absolute Threshold of Activation. It is believed that all sense organs have absolute thresholds of activation; thus many stimuli go unnoticed by individuals because they are not strong, bright or loud enough to activate our senses.

2. Sensory Adaptation. It is a process by which individuals tune out certain object or stimuli after continued exposure. For instance, the ticking of a clock, it may appear to be very loud for a person who has focused attention on the sound, but another person may not even hear the sound because the senses have adapted to it.

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THE PERCEPTUAL PROCESS

A sensory screening process that allows one to sort out and mentally process only certain details in one's surroundings.

Each of us is constantly bombarded by environmental stimuli, all competing for our attention.

These stimuli may be verbal or written messages, noises, lights, symbols, signs or the nonverbal behaviors of others. We would literally go mad if we did not have some mental faculty for sorting out and screening these competing stimuli.

Personal Influences

1. Response Salience. This is the tendency to focus an object that relate to our immediate needs or wants.

2. Response Disposition. This is the tendency to recognize familiar objects more quickly than unfamiliar ones.

3. Attitudes and Feelings Toward an Object or Person. The way people feel toward a particular object or person can also have a marked influence on how the object or person is perceived.

