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ı	How do we see the world?	
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ı	Chapter 6- Sensation and Perception	
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	CLASS ODJECTIVES	٦
l	<u>CLASS OBJECTIVES</u>	
ı	■ What is sensation?	
ı		
ı	■ Why do we each see things differently?	
ı	■ Can my eyes really play tricks on me?	
ı		
	<u>Sensation</u>	
ı	<u>Sensation</u> is the process where our sensory	
ı	organs relay information to our brain.	
ı	■ What are our sense organs?	
	■ This is how our brain receives sensory	-
	information	-

Why do we see things so differently?	
■ Two people witness the same event	
■ <u>Perception</u> is a purely psychological process that reflects how we see the world.	
Perception is how an organism interprets the sensory information and gives it meaning.	
Where's the science?	
Psychophysics focuses on the relationship between physical stimuli and a person's experience.	
■ <u>Thresholds</u>	-
A dividing line where things become different	
There are 2 important types of thresholds	
<u>Psychophysics</u>	
Absolute threshold is the statistically determined minimum amount of stimuli necessary to excite a perceptual system.	
2. <u>Subliminal threshold</u> is the perception below the threshold of awareness.	
Does the word subliminal sound familiar?	·

### Visual Constancy

- Our tendency to perceive objects as keeping their shape, size, and color.
- Shape Constancy is our ability to recognize a shape despite its orientation
- Size Constancy is our ability to recognize that an object remains constant in size regardless of its distance to the observer

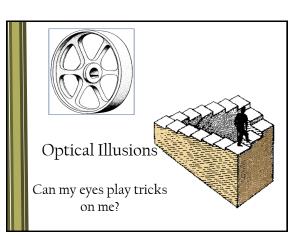
## Shape Constancy We perceive all the doors as rectangles

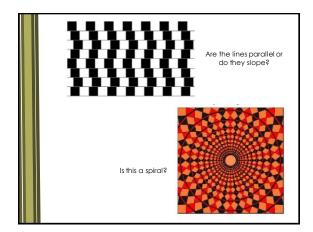
# Size Constancy We perceive the woman on the left to be the same size as the woman on the right

### Visual Perception

- <u>Gestalt psychology</u> emphasizes that we perceive objects as well-organized patterns rather than separate component parts.
  - "The whole is more than the sum of the parts"

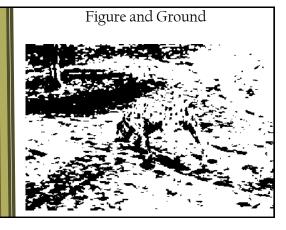


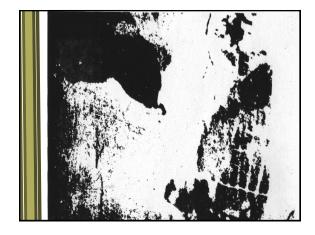




### Figure-ground perception

- Our visual system simplifies the visual scene into a *figure*.
- And a *ground* which is everything else and forms the background.
- Look closely at the next picture for an example of this.





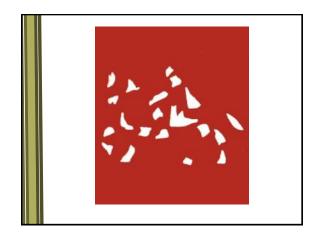


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■ When a familiar figure is interrupted, we imagine the rest of the figure

Is what I see just all in my head? ■ Read the following passage OUTLOUD:

Aoccdrnig to a rscheearch at Cmabrigde
Uinervtisy, it deosn't mttaer in waht oredr
the ltteers in a wrod are, the olny
iprmoetnt tihng is taht the frist and lsat
ltteer be at the rghit pclae. The rset can be
a toatl mses and you can sitll raed it
wouthit porbelm. Tihs is bcuseae the
huamn mnid deos not raed ervey lteter by
istlef, but the wrod as a wlohe

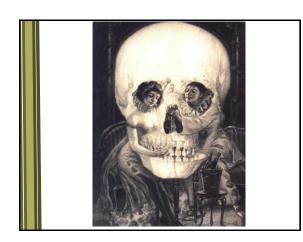


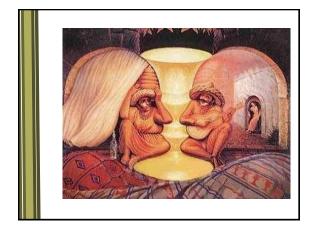
## Reversible Figures

■ Stimuli that can be perceived in more than one way Is this the foreground or the background?









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■ The tendency to perceive objects that resemble each other as forming a group

