



NEUROSCIENCE FOR ARCHITECTS – MOVEMENT/STRESS
NewSchool of Architecture and Design | San Diego CA | April 30 2007



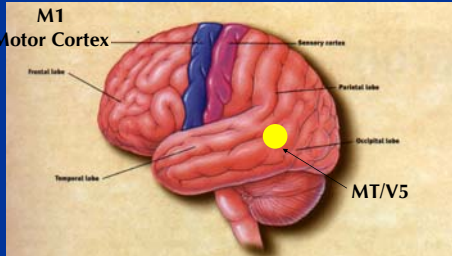
MOTION AGNOSIA: ZIHL et al's PATIENT

Motion Agnosia:
an effect of brain damage in which the ability to
perceive motion is disrupted


MOTION AGNOSIA



CRUCIAL FOR SURVIVAL

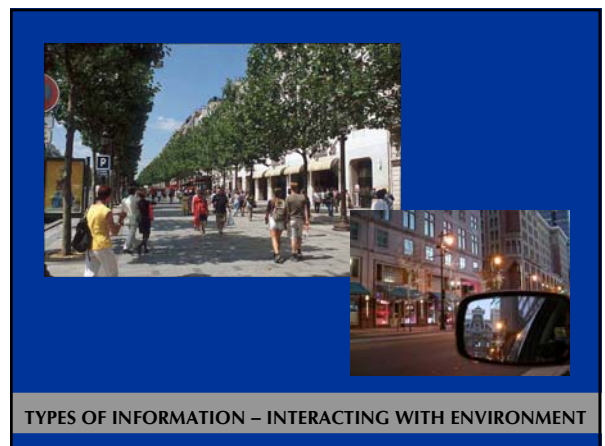
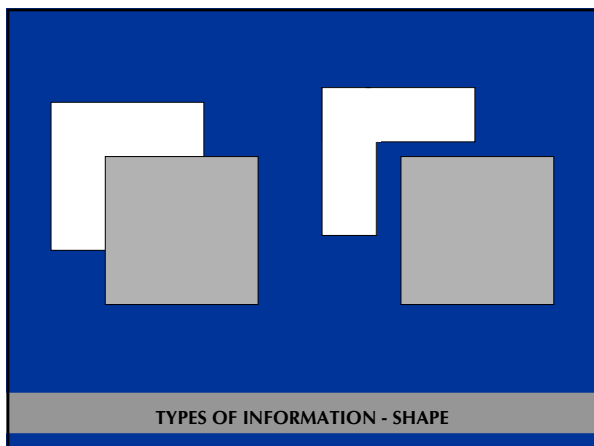
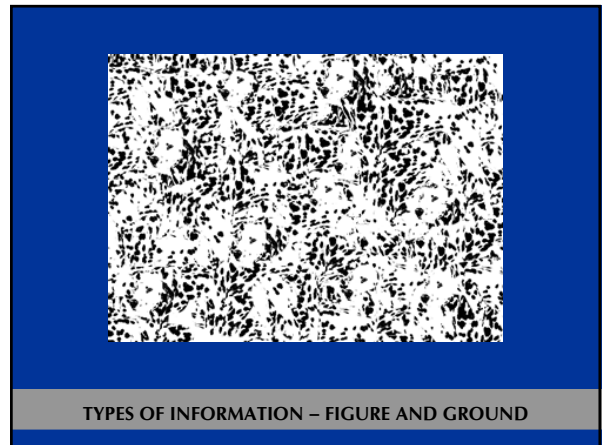
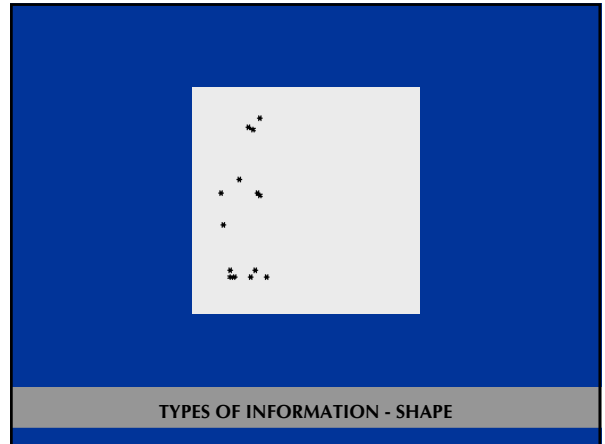
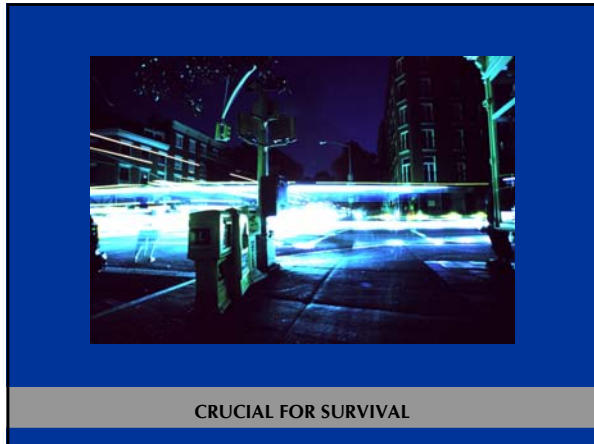


MOTION AGNOSIA



CRUCIAL FOR SURVIVAL

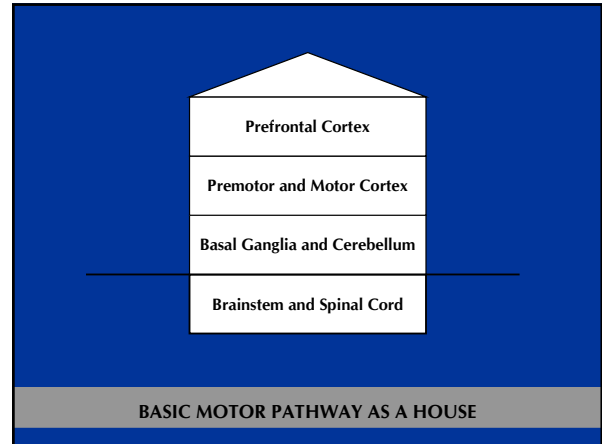
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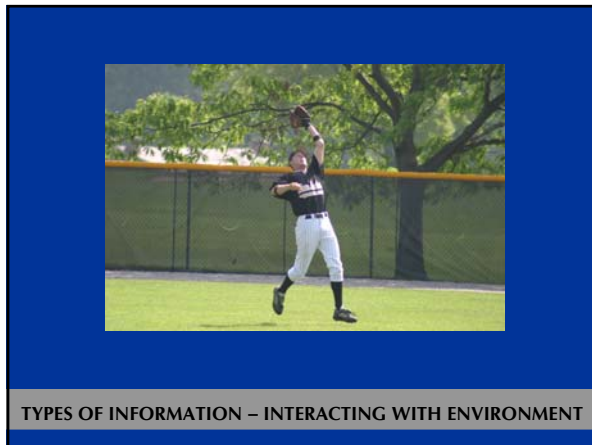
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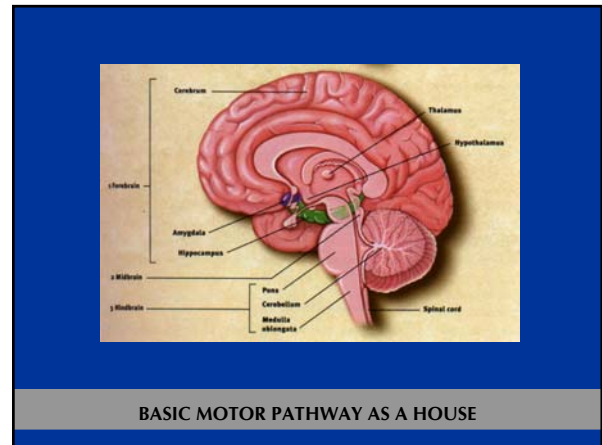
TYPES OF INFORMATION – INTERACTING WITH ENVIRONMENT



BASIC MOTOR PATHWAY AS A HOUSE



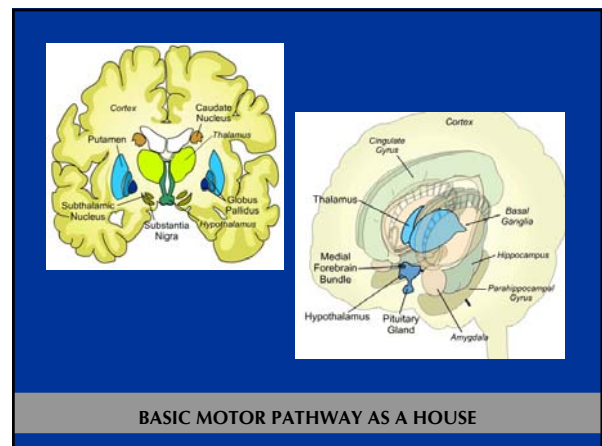
TYPES OF INFORMATION – INTERACTING WITH ENVIRONMENT



BASIC MOTOR PATHWAY AS A HOUSE

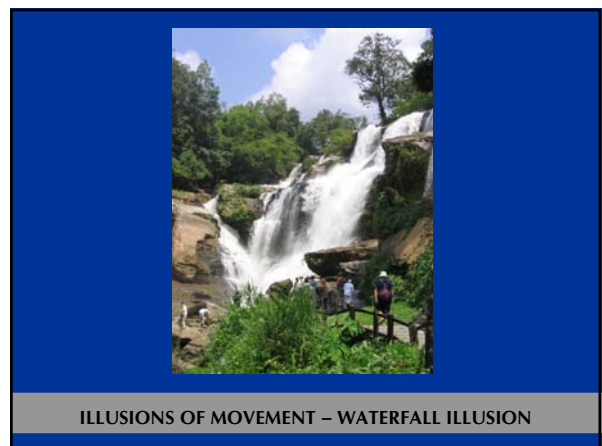
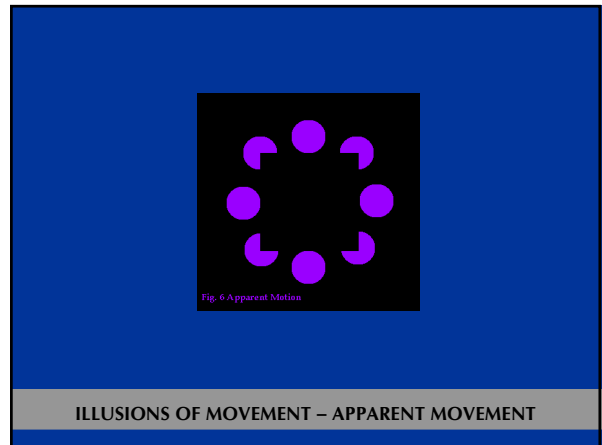
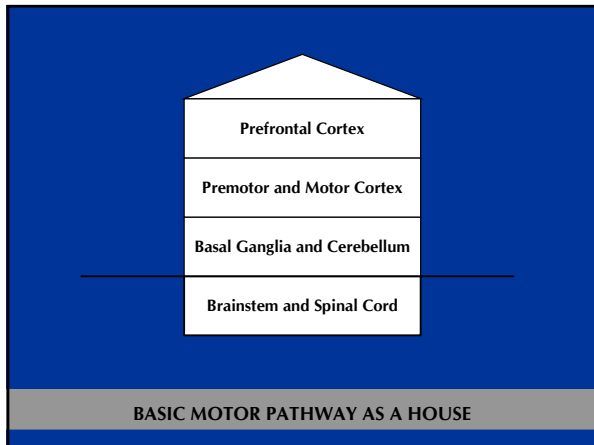
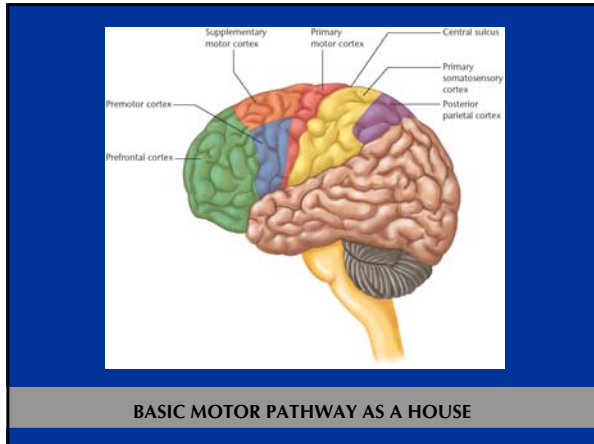
- Crucial for survival
 - predator and prey
- Attracts attention
 - waving your arms
- Shape
 - three-dimensional shape
 - moving dots – person
- Figure and ground
 - stationary dog in the pattern
- Helps us interact with our environment
 - walking or driving down a street
 - baseball – swinging a bat and catching a fly ball

TYPES OF INFORMATION PROVIDED BY MOVEMENT



BASIC MOTOR PATHWAY AS A HOUSE

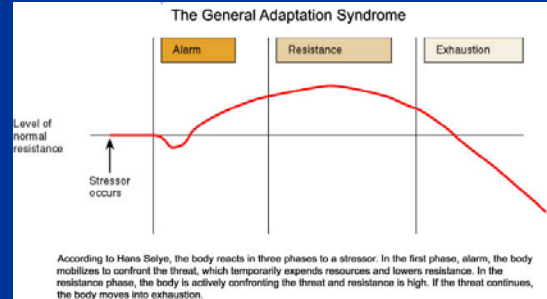
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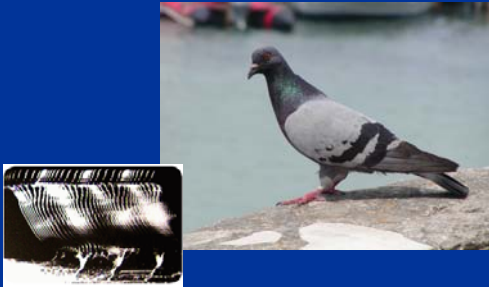
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ILLUSIONS OF MOVEMENT



GENERAL ADAPTATION SYNDROME



ILLUSIONS OF MOVEMENT



ALARMING STAGE

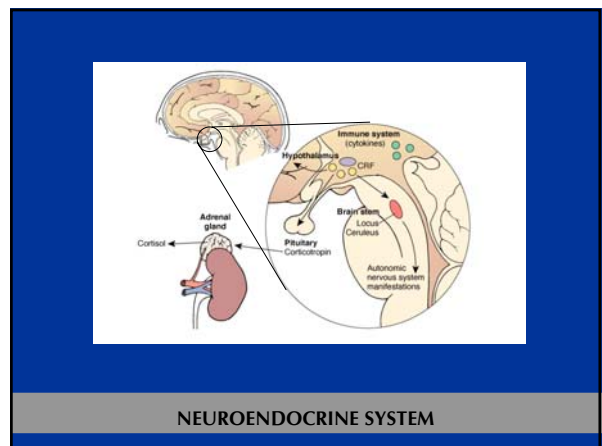
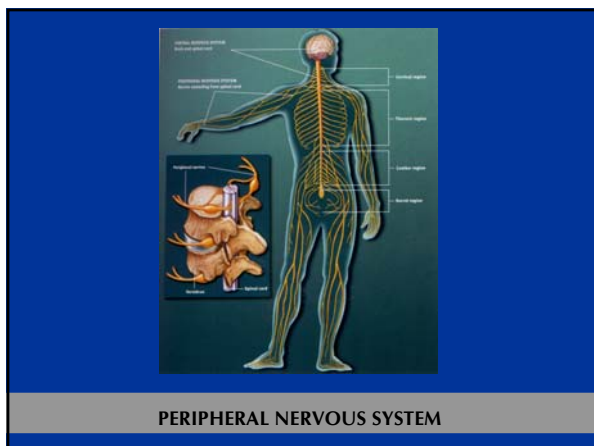
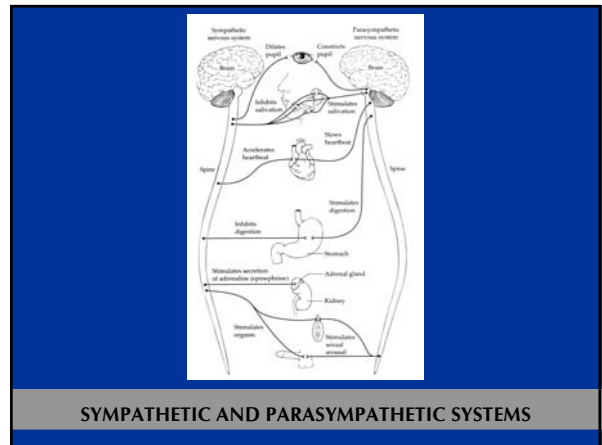
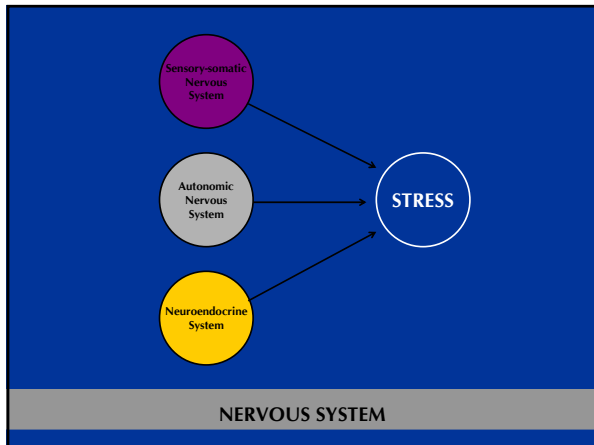
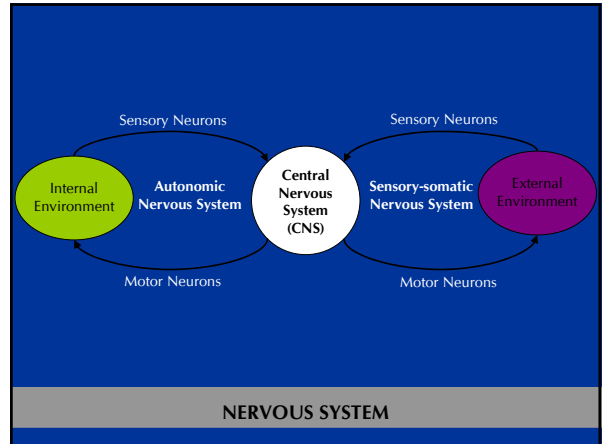
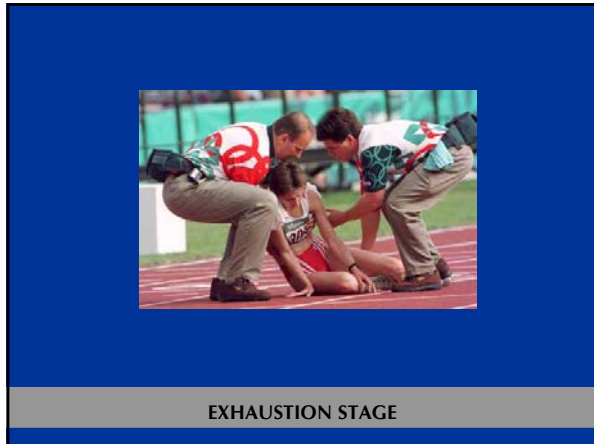


Stress is the non-specific response of the body to any demands made upon it.

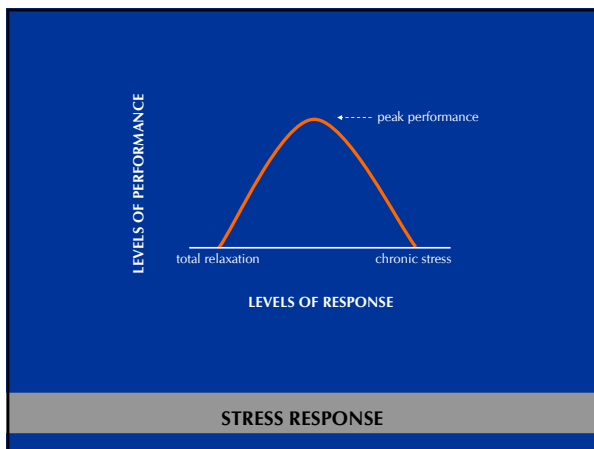
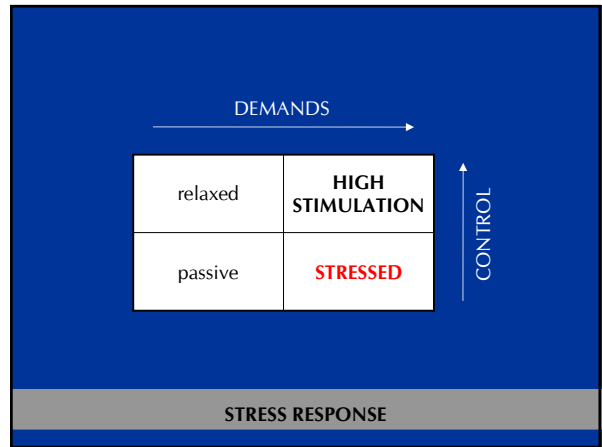
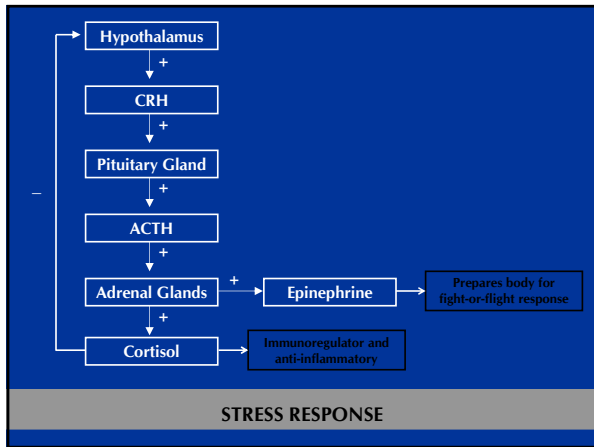
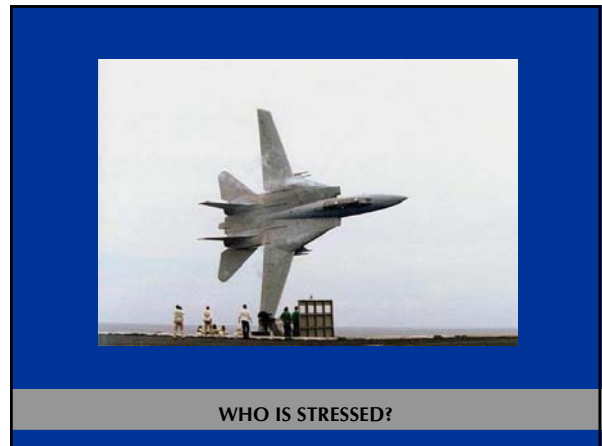
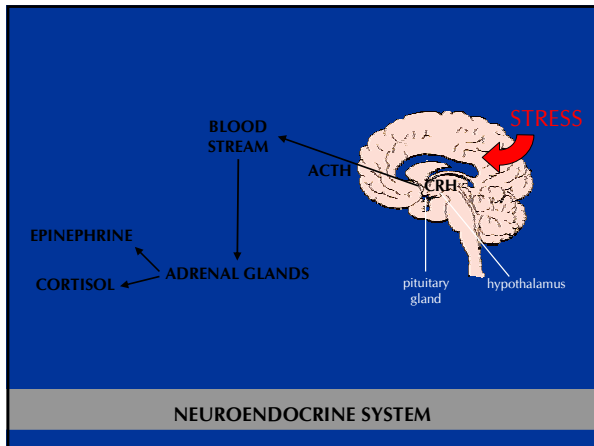
WHAT IS STRESS? | HANS SELYE



RESISTANCE STAGE



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