
$4$



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Figure 9-14



Figure 9-13




| Table 9-1 |  |  |  |
| :---: | :---: | :---: | :---: |
| TABLE 9-1 The Cranial Nerves |  |  |  |
| number | NAME | TYPE | FUNCTION |
| 1 | Olfactory | Sensory | Olfactory (smell) information from nose |
| 11 | Optic | Sensory | Visual information from eyes |
| III | Oculomotor | Motor | Eye movement, pupil constriction, lens shape |
| iv | Trochlear | Motor | Eye movement |
| $v$ | Trigeminal | Mixed | Sensory information from face, mouth: motor signals for chewing |
| vi | Abducens | Motor | Eye movement |
| vil | Facial | Mixed | Sensory for taste; efferent signals for tear and salivary glands, facial expression |
| VIII | Vestibulocochlear | Sensory | Hearing and equilibrium |
| IX | Glossopharyngeal | Mixed | Sensory from oral cavity, baro- and chemoreceptors in blood vessels; efferent for swallowing, parotid salivary gland secretion |
| x | Vagus | Mixed | Sensory and efferents to many internal organs, muscles, and glands |
| x 1 | Spinal accessory | Motor | Muscles of oral cavity, some muscles in neck and shoulder |
| XII | Hypoglossal | Motor | Tongue muscles |


| Table 9-4 |  |  |
| :---: | :---: | :---: |
|  | TABLE 9-4 Types of Long-Term Memory |  |
|  | REFLEXIVE (IMPLICIT) MEMORY | DECLARATIVE <br> (EXPLICIT) MEMORY |
|  | Recall is automatic and does not require conscious attention | Recall requires conscious attention |
|  | Acquired slowly through repetition | Depends on higher-level thinking skills such as inference, comparison, and evaluation |
|  | Includes motor skills and rules and procedures | Memories can be reported verbally |
|  | Procedural memories can be demonstrated |  |
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