Unit 4 Practice quiz for Table 1

Pair the structure with the description:

Name of Structure:

1. Medulla oblongata
2. Pons
3. Cerebellum
4. Midbrain (corpora quadrigemina, superior and inferior colliculi)
5. Hypothalamus
6. Thalamus
7. Pineal gland
8. Pituitary gland
9. Infundibulum
10. Cerebrum
11. Longitudinal fissure
12. Left cerebral hemisphere
13. Right cerebral hemisphere
14. Frontal lobe
15. Parietal lobe
16. Temporal lobe
17. Occipital lobe
18. Corpus callosum & anterior commissure
19. Gyri and sulci

a. Transport of hormones & conduction of impulses from hypothalamus to pituitary gland
b. Crude perception of sensations & emotions and relaying afferent/efferent impulses to/from the cerebrum
c. Perception of sensations of touch, temp., taste & body position (kinesthetic sensation)
d. Filter and relay visual (superior colliculi) & auditory stimuli (inferior colliculi); reflexive control of eye movement, focusing lens and pupil diameter
e. Reflexive, involuntary control of heart, breathing & blood vessels
f. Endocrine gland – secretes many hormones
g. Increases surface area of cerebrum for exchange of nutrients/wastes to/from blood vessels in the pia mater
h. Dominates in non-speech sounds (melodies, laughing, etc.), in spatial perception & in holistic, artistic & emotional concepts
i. Communication between the two cerebral hemispheres
j. Subconscious control & coordination of voluntary muscle
k. Perception of auditory sensations & related speech centers
l. Will (choice), intelligence, memory, awareness, personality
m. Dominates in speech sounds & in understanding sequential, rational & analytical concepts
n. Timing of subconscious breathing
o. Endocrine gland – secretes one hormone
p. Perception of visual sensations
q. Control of ANS & pituitary gland and, thereby, regulates involuntary body functions, homeostasis
r. Divides cerebrum into two hemispheres
s. Voluntary control over muscles, learning, planning, higher psychological functions

KEY: e n j d q b o f a l r m h s c k p i g

Unit 4 Practice quiz for Table 2

Match the cranial nerve to its function *and* circle (for each) if it is sensory only (S), motor only (M) or a mixed nerve (B = both).

A. Carries impulses associated with smell
B. Carries impulses associated with vision
C. Controls inferior oblique, superior/inferior and medial rectus muscles of eye moving eye in socket. Also, movement of eyelid and shape of lens
D. Controls superior oblique eye muscle moving eye in eye socket
E. Major sensory nerve of face/ muscles for mastication
F. Controls lateral rectus muscle moving eye in eye socket
G. Facial expression muscles/ tear glands, salivary glands, taste at anterior portion of tongue
H. Sensations of balance/ equilibrium, motion and hearing
I. Muscles of the larynx/pharynx/general throat sensations and swallowing/taste (posterior tongue)/ pressure receptors from carotid artery control of blood pressure
J. Sensory and motor fibers to pharynx/larynx/sensory impulses from visera/parasympathetic fibers control heart rate and abdominal visceral organs
K. Voice production, neck movement, motor control of innervated viscera/movement of neck
L. Movement of tongue

S M B ____1. **Vagus**

S M B ____ 2. Glossopharyngeal

S M B ____ 3. Occulomotor

S M B ____ 4. Olfactory

S M B ____ 5. Vestibulocochlear

S M B ____ 6. Hypoglossal

S M B ____ 7. Trigeminal

S M B ____ 8. Optic

S M B ____ 9. Facial

S M B ____ 10. Trochlear

S M B ____ 11. Spinal Accessory

S M B ____ 12. Adbucens

KEY: B J, B I, M C, S A, S H, M L, B E, S B, B G, M D, M K, M F