

Multiple choice: Indicate which answer(s) is(are) correct by crossing the little circles. There are 23 questions in total. There can be 0,1,2,3 or 4 correct answers.

1. Cutaneous somatosensory receptors are classified as
 - rapidly or slowly adapting
 - deep or superficial
 - encapsulated or free nerve endings
 - unilateral or bilateral
2. Proprioception
 - is mediated by signals travelling in the dorsal columns system
 - is absent for the face and neck
 - uses signals originating in the tendons
 - results in complete paralysis when absent
3. Sweet sensation
 - can be induced by the binding of glucose molecules on taste receptors
 - can be artificially produced by the herb gymnema silvester
 - is always followed by a sensation of sour
 - is mediated by receptors located in the palate only
4. The otolithic organs
 - are located in the cochlea
 - are responsible for the sensation of static tilt
 - are connected to the semi-circular canals
 - are filled with fluid
5. The cochlea
 - is contained in the organ of Corti
 - is made of four distinct chambers
 - is filled with air
 - is part of the middle ear
6. Primary auditory cortex
 - is located in the temporal lobes
 - has a columnar organization
 - is surrounded by secondary auditory areas
 - receives inputs from the contralateral Medial Geniculate Nucleus

7. Sound localization

- O is possible without binaural cues
- O is computed primarily in circuits of the cerebellum
- O is possible with interaural time differences in the order of microseconds
- O can be affected by changing the shape of your pinnae

8. Primary visual cortex in primates

- O is organized in ocular dominance columns
- O contains direction selective cells
- O is made of simple cells only
- O is retinotopically organized