

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

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

8. Primary visual cortex in primates

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