学籍番号 _____ 氏名 _____ 2008年度ヒト生物学I

Question: Fill in the blanks with word(s) listed below.

1.( )
Digestive spherical organelles of cell containing large number of hydrolytic enzymes.

2.( )
System of microfilaments, microtubules, intermediate filaments and microtrabeculae responsible for dynamic organization of cytoplasm and transport of information through cell body.

3.( )
Membrane-bound, enzyme-loaded, semiautonomous organelles present in almost all cells, which are principal energy producers of cell.

4.( )
The interiorization of fluid and/or solid materials into a cell.

5.( )
A ribosome-free, three-dimensional, close-meshed dynamic system of 20-60 nm anastomosing tubules and cisternae lined by unit membranes.

6.( )
Dense granular organelles essential to protein synthesis.

7.( )
The releasing process of membrane-bound non-diffusible material from cell.

8.( )
Motile processes, about 5-10 μ m long and 0.2 μ m wide, projecting from free surface of numerous kinds of cells.

9.( )
A fine, metabolically active sheath representing outer boundary of a living cell, which separates internal cell milieu from extracellular environment.

10.( )
A membraneless, round or ovoid, strongly basophilic nuclear organelle visible during interphase in karyoplasms, free or attached to inner nuclear membrane.

smooth endoplasmic reticulum, cytoskeleton, ribosomes, nucleus, endocytosis, plasma membrane, mitochondrion, nucleolus, Golgi apparatus, exocytosis, lysosomes, microvilli, cilia

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正しいものを選んで、そのアルファベットを○で囲みなさい。

(1) (a : Smooth b : Skeletal) muscle cells have striations.

(2) (a : Basal cell carcinoma b : Melanoma) is extremely serious.

(3) The stomach is in the (a : thoracic b : abdominal) cavity.

(4) The (a : respiratory b : urinary) system consists of the lungs and the tubes.

(5) The (a : skeletal b : muscular) system produces heat.

(6) (a : Bone b: Cartilage) is the most rigid connective tissue.

(7) (a : Astrocytes b : Oligodendrocytes) form the myelin sheaths.

(8) (a : Sarcoma b : Carcinoma) are cancers of epithelial tissue.

(9) (a : Oil b : Sweat) glands play a role in modifying body temperature.

(10) The (a : brain b : spinal cord) is in the cranial cavity.