

**BIO 137 WORKSHEET 3 CELL STRUCTURE & FUNCTION**

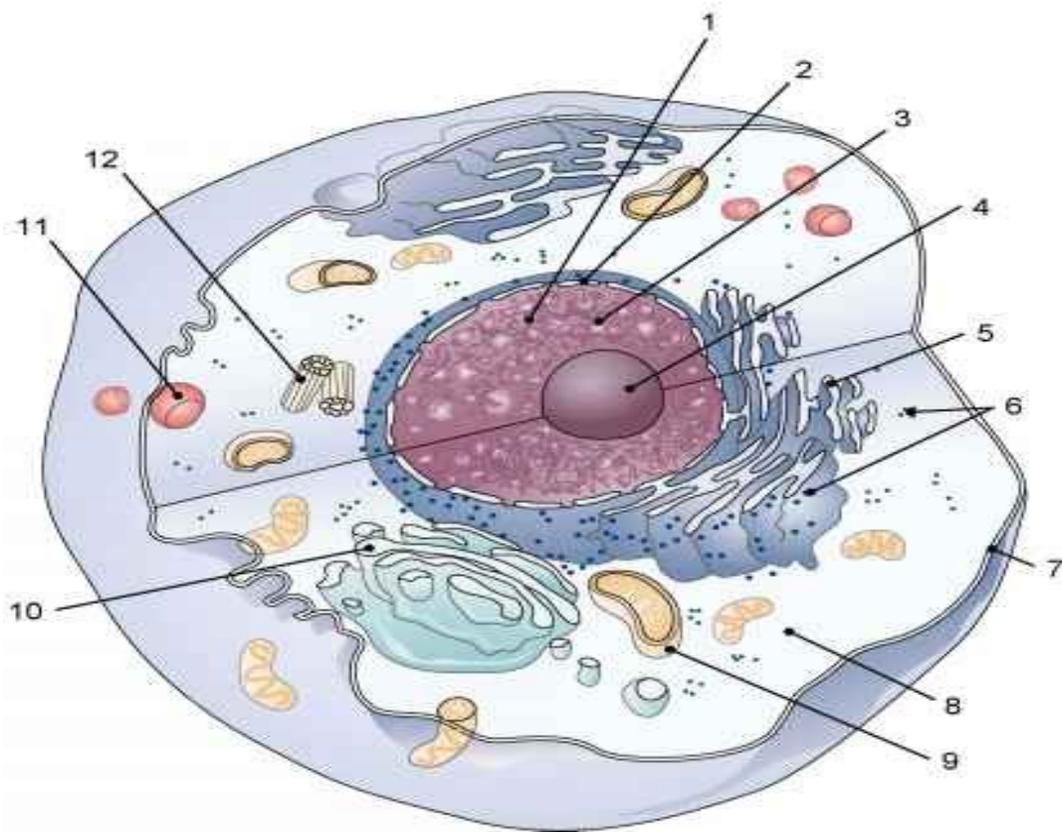
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1. Match the terms listed in the box below with the cell parts labeled. Use the Answer box below the diagram to label the cell parts (12x4=48)

Nucleolus, Ribosome, Nucleus, Centrioles, Rough ER, Smooth ER, Mitochondrion, Nucleoplasm, Lysosome, Cell membrane, nuclear membrane, Ribosome

Give the diagram a title: Eukaryotic Cell (4 pts)



**Answer Box**

- 1. Nucleus 2. Nuclear membrane 3. Nucleoplasm
- 4. Nucleolus 5. Rough ER 6. Ribosomes
- 7. Cell membrane 8. Cytoplasm 9. Mitochondrion
- 10. Golgi apparatus 11. Lysosome 12. Centriole

## PARTS OF THE CELL

Match the descriptions in Column I with the name in Column II

Write the matching letter in the blank spaces (12x4= 48 pts)

### COLUMN 1

- \_K\_ 1. separates the genetic material from the rest of the cell
- \_J\_ 2. contain enzymes for digestion
- \_G\_ 3. where proteins are made (Protein synthesis)
- \_A\_ 4. Modifies, packs and ships substances for secretions
- \_I\_ 5. ribosomes are made here
- \_L\_ 6. controls entry into and out of the cell
- \_B\_ 7. contain chromosomes
- \_E\_ 8. fluid (jelly like) part of protoplasm
- \_F\_ 9. container of green pigment in a plant cell
- \_C\_ 10. storage container in a cell
- \_H\_ 11. Contains enzymes for making ATP;  
site for aerobic cellular respiration
- \_D\_ 12. structures involved in animal cell division

### COLUMN II

- a. Golgi apparatus
- b. nucleus
- c. vacuole
- d. centrioles
- e. cytoplasm
- f. chloroplast
- g. ribosome
- h. mitochondria
- i. nucleolus
- j. lysosome
- k. nuclear membrane
- l. cell membrane