

BIO 137 WORKSHEET 3 CELL STRUCTURE & FUNCTION

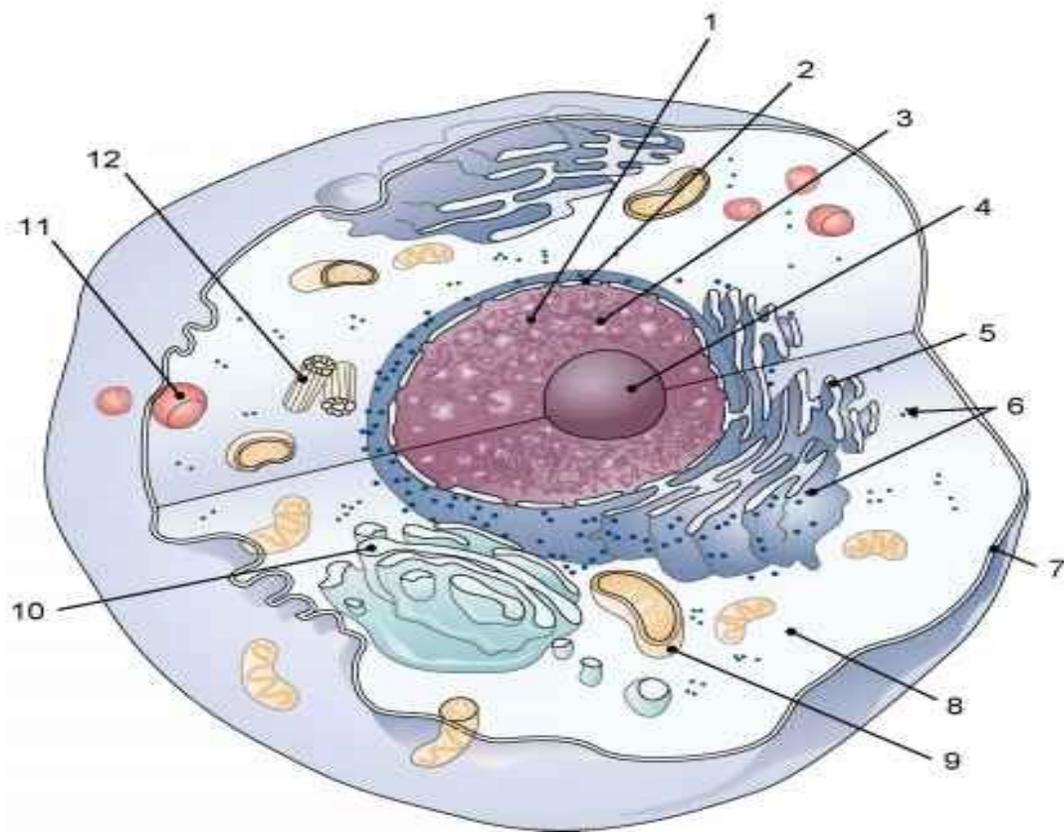
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1. Match the terms listed in the box below with the cell parts labeled. Use the Answer box below the diagram to label the cell parts (12x4=48)

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

Give the diagram a title: **Cells DIAGRAM** (4 pts)



Answer Box

- 1. Nucleoplasm 2. Nucleus 3. Nuclear membrane
- 4. Nucleolus 5. Smooth ER 6. Rough ER
- 7. Cell membrane 8. Centrioles 9. Mitochondrion
- 10. Ribosomes. 11. Lysosomes 12. Centrioles

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
- D 5. ribosomes are made here
- I 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
- L 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