

BIO 137 WORKSHEET 3 CELL STRUCTURE & FUNCTION

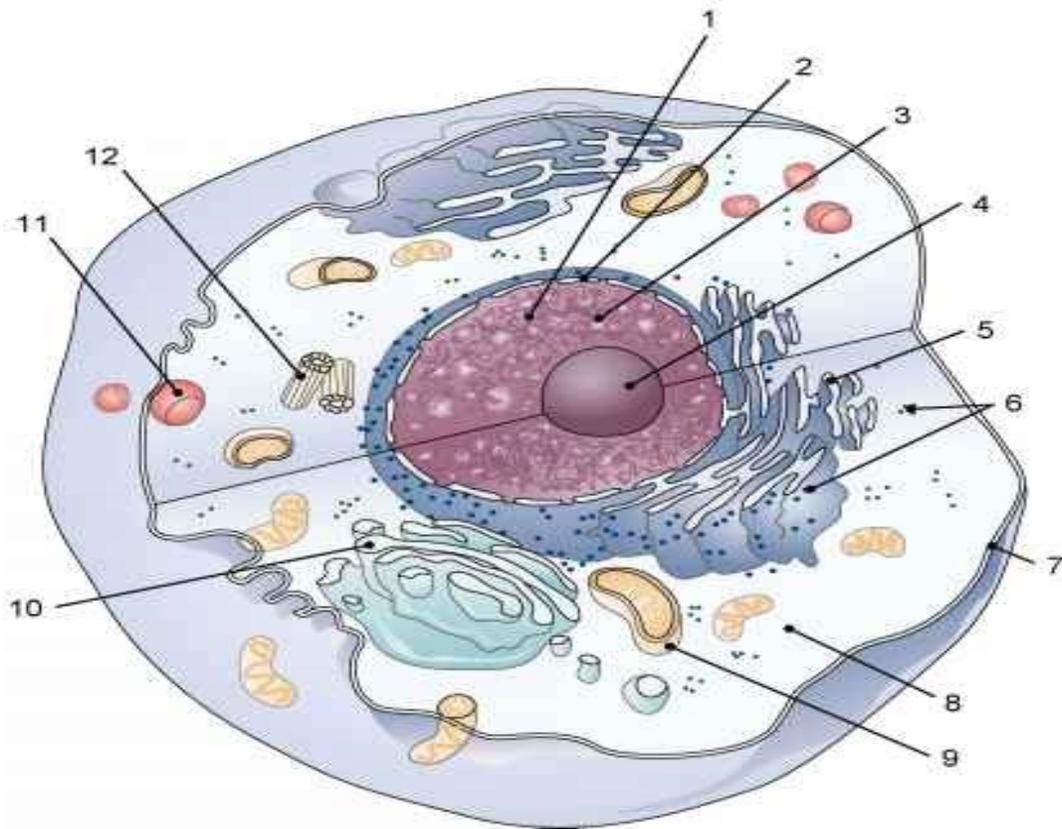
Date _____

Name _____

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: _____ (4 pts)



Answer Box

1. _____ 2. _____ 3. _____

4. _____ 5. _____ 6. _____

7. _____ 8. _____ 9. _____

10. _____ 11. _____ 12. _____

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

- _____ 1. separates the genetic material from the rest of the cell
- _____ 2. contain enzymes for digestion
- _____ 3. where proteins are made (Protein synthesis)
- _____ 4. Modifies, packs and ships substances for secretions
- _____ 5. ribosomes are made here
- _____ 6. controls entry into and out of the cell
- _____ 7. contain chromosomes
- _____ 8. fluid (jelly like) part of protoplasm
- _____ 9. container of green pigment in a plant cell
- _____ 10. storage container in a cell
- _____ 11. Contains enzymes for making ATP;
site for aerobic cellular respiration
- _____ 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