

Name _____ Date _____ Period _____

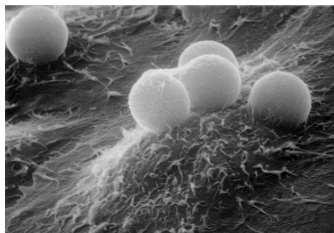
HONORS BIOLOGY – PROBLEM SET

CHAPTER 4: A TOUR OF THE CELL

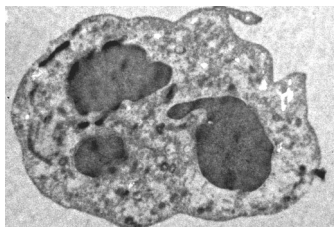
1. What would be the most significant problem if your body was composed of just ONE cell instead of billions and billions of smaller cells? [2 points]
2. Name a type of cell, tissue, organ, or organ system in the human body that would contain...
 - a. a lot of mitochondria
 - b. a lot of peroxisomes
 - c. a lot of lysosomes
 - d. a lot of cilia
 - e. one flagellum

Explain your answer to each part in one or two sentences. [5 points]

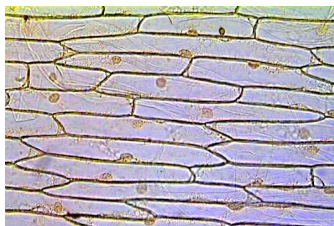
3. Look at each picture. Determine which of the 3 types of microscopes took the picture. Briefly explain each answer in one or two sentences. [3 points]



a.



b.



c.