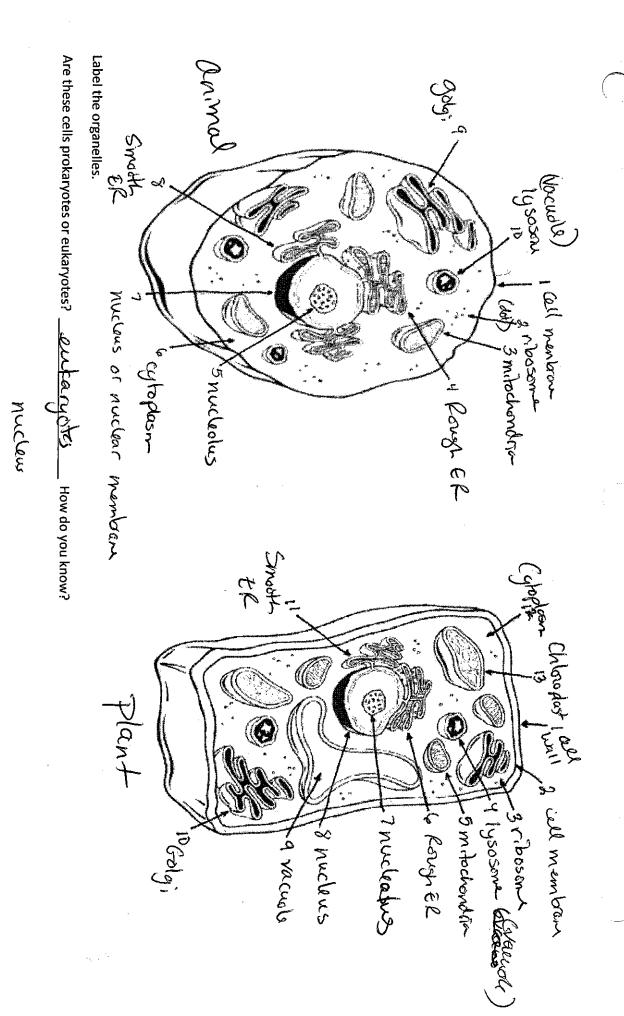
Name 201

()
1. What 3 things do all cells have in common?
cytoplasm cell membrane ribosome DNA
2. What are the differences between prokaryotic and eukaryotic cells? What types of organisms make up each group?  no nucleus  Backera/ Acha  Plant/animal/profist/  3. As a cell increases in size, what happens to the surface area to volume ratio? What
affect does this have on the cell?
15 ree = less S. A per unit volume
4. Which organelles are found in plants but not animals?
cellwall, chloroplast longe central vacuole
5. Which organelles are found in animals but not plants?
7.7. lysosomes in some
6. Which organelles are described by the following:  a. converts light energy into food charplests  b. support of the cell, contains cellulose cell wall  c. breaks down glucose, forms ATP whichouse  d. forms subunits of ribosomes walled lus  e. modification of proteins golg: (book says El)  f. contains enzymes that carry out intracellular digestion lysosome  g. organelle compared to a whip flagella  h. made up of lipid bilayer and proteins cell membrane (nucleo-membrane)  i. part of its membrane pinches off to form vesicles for storage or transport golg: /ER  j. may be rough or smooth ER  k. polypeptide chains or proteins are constructed here ribosome  l. contains DNA nucleus / nucleoid (chromosomes)  m. fluid filled sacs - may store food or water vacuol  n. the rough ER has these on its surface ribosome  o. organelle within the nucleus of a cell nucleolus
7. What is the difference between a nucleus and a nucleoid?  membrane no membrane  Euk  prok



Label each cell as a plant or animal cell. Describe three differences between a plant and animal cell.

Seedrer Side!

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