Eukaryotic Cells

- 1. Eukaryotic cells have internal ______ resulting in ______ and their DNA is

 enclosed in a ______. Also, the DNA in a eukaryote is associated with ______ proteins.
- 2. Below is a rough representation of a pancreatic ______ cell. Add **straight lines** to the correct
 - structures and then complete the labels and annotations. Circle the imperfections in the diagram.

	: site ofrespiration. It has membranes.	the membrane: controls and of substances.
	Rough: has ribosomes which	
	ribosomes (): ribosomes (): proteins that will	: the region containing composed of DNA . It has a membrane with
	the cell.	: site of many reactions, including respiration.
	of macromolecules.	Smooth: has ribosomes. It is involved in synthesis and contraction.
3.	Missing from the schematic is the cytoskeleton. It is made of	and It has
	many functions, including supporting cell division: (to gro	ow and replace cells) and, which
	to produce gametes.	
4.	cells are also eukaryotic. They have three additional structures: the,	
	which helps give structural support as it is made of, and,	
	which are needed foras these organisms a	are autotrophs. There is also a large
	type of organism is called a cell.	
5.	cells are also eukaryotic. Their cell are composed of	

6. Exercise. If the actual size of this cell is 15 μ m, work out the magnification of the diagram.

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