Origin of Cells

1.	According to cell theory, cells can only be formed from		cells, however, the first
	cells must have arisen from m	aterial. This does not occu	r any longer, as was shown b
	, who created a necked flask. This is a diagram of his experiment:		
2.	Endosymbiotic theory:		
	Sometime in Earth's history, a	cell ingested an aero	bic
	Instead of digesting it, it incorporated it. This is bec	ause the	cell benefitted from the
	formed by the aerobic	, and the	benefitted from the
	constant internal environment and safety. This is called symbiosis. Over millions of years, the		
	eventually became the	·	
3.	Some of the aerobic eukaryotes went on to ingest _		_ prokaryotes. These cells
	were able to produce their own	and break it down into _	for energy. Over
	millions of years, the ingested prokaryotes eventua	lly became	The organisms
	containing these today are called	·	
4.	Evidence that supports this theory is that	and	contain:
	a ribosomes		
	b DNA		
	and they are encased in a	membrane, indicating	.