

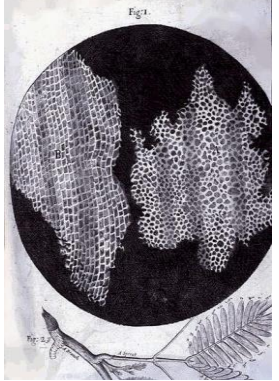



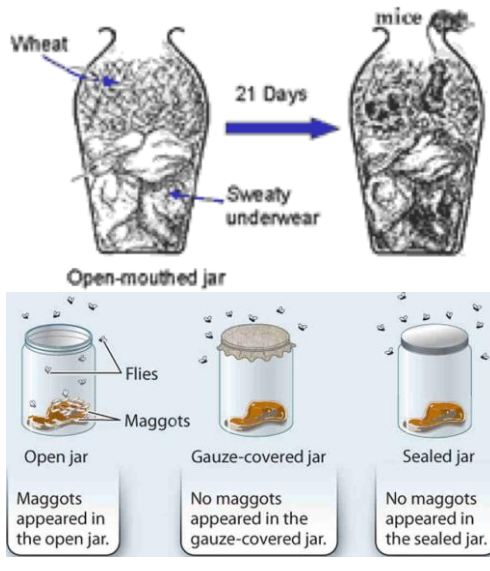
Please use the pictures below to record some history associated with cells and early microscopes.

 <p>Robert Hooke (1635-1703)</p> <p>Robert Hooke</p>	 <p>Early Microscope</p>	 <p>First Cell Diagram</p>	<p>Anton van _____ ?</p> 
---	---	--	--

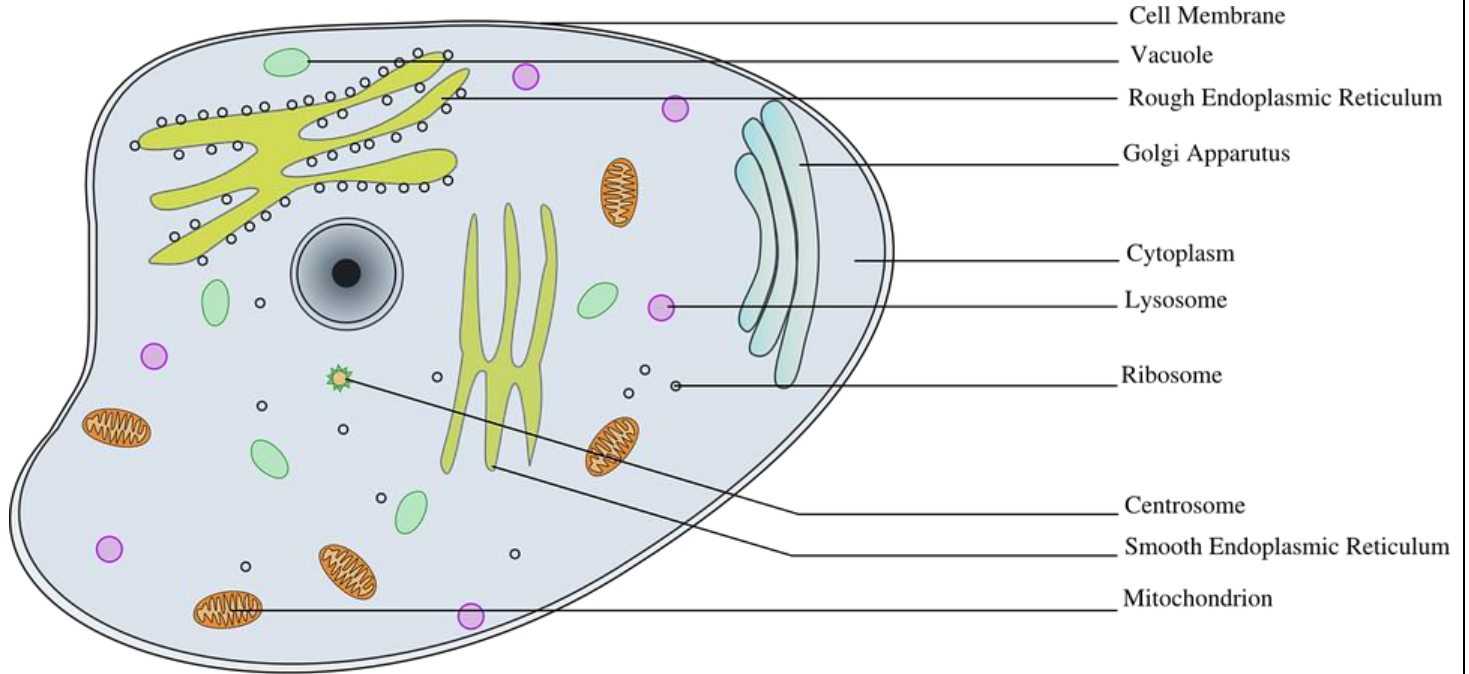
What are the three main parts of the cell Theory?

- 1.
- 2.
- 3.

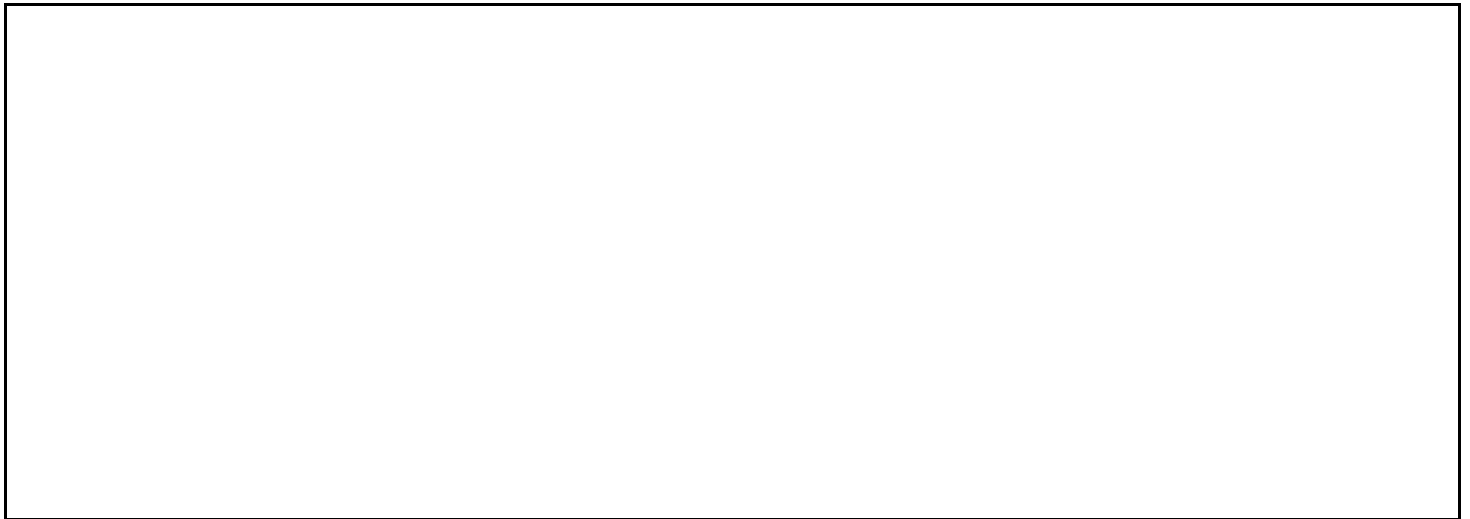
Please describe what's happening in each picture. How are they related to the concept of spontaneous generation?

 <p>The diagram illustrates the experiment of spontaneous generation. At the top, a jar containing wheat and sweaty underwear is shown. After 21 days, the jar is shown to be infested with mice. Below this, three jars are shown to test the hypothesis: 1. An open jar where flies and maggots are present. 2. A gauze-covered jar where no maggots appear. 3. A sealed jar where no maggots appear.</p> <p>Wheat</p> <p>21 Days</p> <p>Sweaty underwear</p> <p>mice</p> <p>Open-mouthed jar</p> <p>Open jar</p> <p>Gauze-covered jar</p> <p>Sealed jar</p> <p>Flies</p> <p>Maggots</p> <p>Maggots appeared in the open jar.</p> <p>No maggots appeared in the gauze-covered jar.</p> <p>No maggots appeared in the sealed jar.</p>	
---	--

Please label the organelles of the following cell. Is it a plant cell or an animal cell? Explain after you title it.



Please draw a plant cell in the space below. **Besides the nucleus, provide just the organelles not mentioned in the animal cell.** Include the changes in the vacuole.



What is the job of the vacuole? How is it different in a plant cell than in an animal cell?