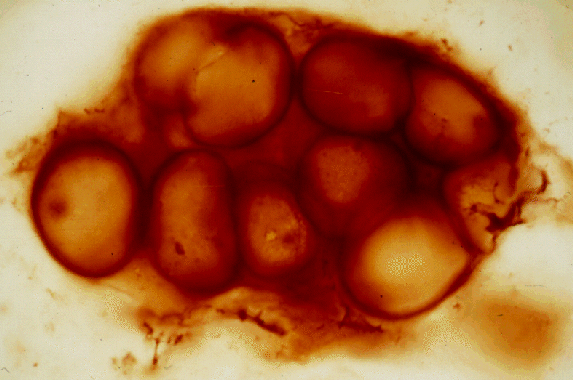
***Cell Biology – Germ Theory (#5)***

Comments/Questions

Notes from Video:

II.



1. **We used to think**

IV. Lazzaro Spallanzani

1.Meat broth boiled & sealed never spoils!

2.Broth boiled & left open to air develops microorganisms

3.… but critics claimed that a “vital principle” in air is needed for spontaneous generation, and was “destroyed” by boiling.

*V. 1860 – Louis Pasteur settles the matter! (you will too!)*

1. **How did life on Earth begin?**

I. We know today that ALL life shares one Precambrian ancestor (all life uses the same genetic code.)

*1. If life never starts spontaneously, how could it begin the first time??*

*2. Divine creation? Extraterrestrial origin? From non-living chemicals?* (we don’t know…)

**III.** 1953: Stanley Miller & Harold

TOC #5

Summary