<https://www.youtube.com/watch?v=bBjD4A7R2xU>

Evolution: Endosymbiotic Theory: Write the question or answer in complete sentences

1. What does EXO mean?
2. What does ENDO mean?
3. What is an exoskeleton? Give 2 examples
4. What is an endoskeleton? Give an example
5. Symbiosis means….
6. 2 examples of symbiosis are…
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What does E.coli do for you?
8. Endosymbiosis means….
9. Draw a picture for endosymbiosis
10. Little Jon is representing what organelle?
11. What is this organelles job?
12. Little Jim represents what organelle?
13. What is its job?
14. If a cell has no organelles it is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell. (like bacteria)
15. If a cell has organelles it is called an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell. (like plants and animals)
16. The endosymbiotic theory shows how a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell (no organelles) evolved into a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell with organelles.
17. This led to the evolution of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organisms such as \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
18. Every living cell HAS……. DNA and CAN make proteins and MUST reproduce. SO……….

LIST the 3 EVIDENCES of the endosymbiotic theory. (HINT: they involve 3 things about chloroplast and mitochondria)

1.

2.

3.