Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mod \_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cell Check In

\*\*For each of the following indicate if it is related to a PROKARYOTE, EUKARYOTE or BOTH

1. “before the kernel” prokaryote eukaryote both

2. has DNA in nucleus prokaryote eukaryote both

3. cell membrane prokaryote eukaryote both

4. bacteria; archae prokaryote eukaryote both

5. cytoplasm prokaryote eukaryote both

6. organelles with membranes prokaryote eukaryote both

7. amoeba; yeast prokaryote eukaryote both

8. single-celled prokaryote eukaryote both

9. ribosomes prokaryote eukaryote both

10. multi-celled prokaryote eukaryote both

11. humans prokaryote eukaryote both

**\*\* Matching: Match the structure of the cell with it’s function**

12. \_\_\_\_\_\_ chloroplast A. breaks down food to release energy to make

 ATP through the process of cellular respiration

13. \_\_\_\_\_\_ endoplasmic reticulum

 B. contains genetic material; the “brain” of the cell

14. \_\_\_\_\_\_ golgi complex

 C. makes proteins

15. \_\_\_\_\_\_ lysosome

D. packages & distributes materials within and/or

16. \_\_\_\_\_\_ mitochondria out of the cell

17. \_\_\_\_\_\_ nucleus E. processes & transports proteins & makes lipids

18. \_\_\_\_\_\_ ribosome F. produces enzymes that digest wastes, cell

 parts, & foreign invaders

19. \_\_\_\_\_\_ vacuole

G. fluid filled sac that may have materials such as

 nutrients, water and/or waste

H. where photosynthesis occurs

\*\*\* List the FOUR parts that ALL cells have in common:

\*\*\* Sketch a cell; is it a PLANT or ANIMAL cell?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*\*\* Explain how you know!

\*\*\* Color-code & label any of the following that should be found in the selected cell:

chloroplast smooth/rough ER golgi complex large central vacuole(s)

waste vacuole(s) nutrient/enzyme vacuole(s) water vacuole(s) lysosomes

mitochondria nucleus cell membrane cell wall

chromosomes nuclear membrane cytoplasm