Matching: Review Questions

Review Questions: Match the functions with the names of the structures that are listed below. An organelle may be used more than once.

**A**. Centrioles **K.** Cilia and flagella

**B**. Lysosomes **L.** Smooth ER

**C**. Cell membrane **M.** Nucleolus

**D.** Mitochondria **N.** Vacuoles

**E**. Cell wall **O.** Golgi body

**F**. Nucleus **P.** Plastids

**G**. Chloroplasts **Q.** Microtubules

**H.** Ribosomes **R.** Microfilament

**I.** Chromatin **S.** Cytoplasm

**J.** Rough ER

\_\_\_\_1. Powerhouse of the cell; site of ATP production

\_\_\_\_2. Provide shape and rigidity to the cell

\_\_\_\_3. Also called the plasma membrane

\_\_\_\_4. Bags of enzymes used to digest particles/bacteria; “garbage men” of the cell; work with vacuoles.

\_\_\_\_5. Control center of the cell; contains nucleolus and DNA

\_\_\_\_6. External surface is studded with ribosomes

\_\_\_\_7. Formed from a piece of cell membrane breaking loose; stores substances

\_\_\_\_8. Sites for photosynthesis; found only in plant cells; contains chlorophyll

\_\_\_\_9. Locomotive structures; made up of microtubules

\_\_\_\_10. Site of protein synthesis; found in cytoplasm and on rough ER

\_\_\_\_11. Only found in animal cells; form spindle fibers during cell division

\_\_\_\_12. Made mostly of cellulose, this encases or surrounds plant cells

\_\_\_\_13. Watery substance that fills the interior of cells and suspends organelles

\_\_\_\_14. Semipermeable barrier made of two layers of phospholipids

\_\_\_\_15. Storage sacs; plant cells have a single large one; animal cells have many smaller ones

\_\_\_\_16. Membranous structure that synthesizes fats (lipids)

\_\_\_\_17. Membranous structure that synthesizes proteins

\_\_\_\_18. Uncoiled DNA; coils into chromosomes during cell division

\_\_\_\_19. Location where photosynthesis occurs

\_\_\_\_20. Location where ribosomes are formed

\_\_\_\_21. Makes up cilia, flagella, and centrioles

\_\_\_\_22. Act as a transport system for newly formed proteins

\_\_\_\_23. Processes, packages, and stores the fats and proteins produced by the ER

\_\_\_\_24. Structures found only in plant cells; chloroplasts are one type

\_\_\_\_25. Involved in muscle contraction in larger organisms