1. How many cells are there in the human body? 100 Trillion
2. Why are cells like bricks? they are building blocks of life, all things are made of cells
3. What is the function of a vacuole? to hold food water and waste How is this like a food pantry? both store food
4. What is the name of the instrument we use to look at cells? microscope
5. What is the process by which plants make food? photosynthesis What cell part do plants have that makes this possible? chloroplasts
6. Where does the energy for plants to make food come from? sun
7. What are the two cell parts that plants have but animals do not? cell wall & chloroplast
8. What is an organism? any living thing
9. How are multicellular organisms different from unicellular organisms? Mulitcellular organisms have more than one cell. Unicellular organisms have just one cell.
10. Put the levels of organization within an organism in order from smallest (cell) up to largest (whole organism) cell, tissue, organ, organ system, organism
11. What is the purpose of chlorophyll? to collect sunlight to produce food
12. Which 3 men collaborated to create the cell theory? Schwann, Schlieden, Virchow
13. State the function of each of the following cell parts.

a.) cell wall - provide structure and support to plant cells

b.) nucleus controls the activities of the cell

c.) chloroplast plant organelle that produces food from the sun’s energy

d.) cell membrane outer covering of cell that controls what goes in and out of the cells

e.) mitochondria power house of the cell, converts sugars to energy

f.) cytoplasm gel like substance that organells float in

g.) tissue a group of similar cells working together to do a job

h.) vacuole stores food water and waste

14. List the three parts of the cell theory.

All living things are made of cells,

Cells come from other cells.

Cells are the smallest unit of life.