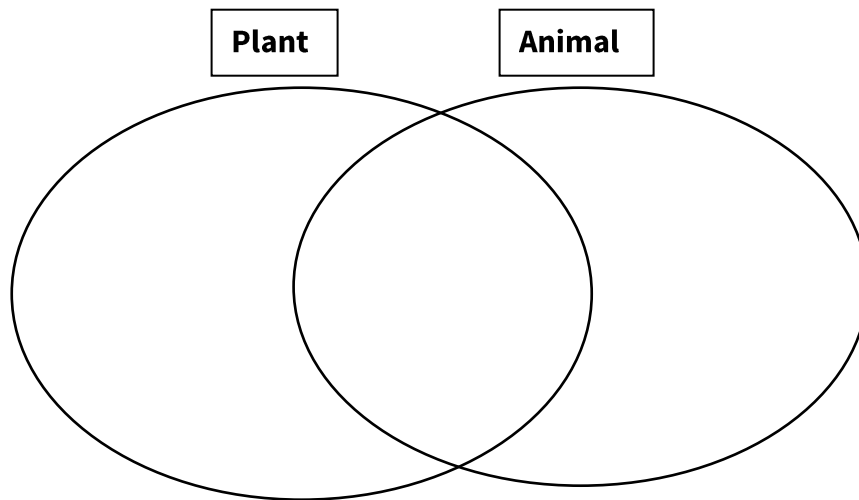


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1. What are two main types of cells? _____
2. Eukaryotes are _____ or _____ organisms whose cells have a _____ and other membrane-bound organelles.
3. A prokaryote is a _____ organism that lacks a _____ or any other membrane-bound organelles.
4. Complete the Venn diagram comparing the similarities and differences between the plant and animal cell.



5. You observe a cell under a microscope and conclude that it was is a plant cell rather than an animal cell.

List two structures that helped you come to this conclusion?

6. Complete the statement by filling in the blanks.

The cell is the basic unit of _____ and _____.

7. This organelle directs the activities of the cell and contains DNA.

What is the name of the organelle being described? _____

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MATCHING

A. Nucleus	F. Ribosomes	K. Cytoplasm	P. Oxygen	U. Leaves
B. Mitochondria	G. Lysosomes	L. Organelles	Q. Carbon Dioxide	
C. Chlorophyll	H. Chloroplast	M. Cell Theory	R. Photosynthesis	
D. Cell Wall	I. Golgi Bodies	N. Tissues	S. Glucose	
E. Cell Membrane	J. Vacuole	O. Organ	T. Endoplasmic Reticulum	

8. ____ A series of folded membranes that **move materials** around in the cell.
9. ____ **Directs** all the activities of the cell.
10. ____ Organelle where **energy** is released from broken-down food molecules
11. ____ **Green organelles** in the cytoplasm of **plant cells**.
12. ____ Small, two-part structures in cells that **make proteins**.
13. ____ Gelatin-like mixture inside the cell membrane.
14. ____ Protective outer covering around **all** cells.
15. ____ Flattened membranes that package cellular substances for export.
16. ____ Encloses the cells of plants, algae, fungi, and most bacteria.
17. ____ **Stores**, water waste products, food, and other cellular materials.
18. ____ Breaks down food molecules, cell wastes, and worn-out cell parts.
19. ____ A structure **made up of** different types of **tissues** that work together.
20. ____ A group of similar cells that work together to do one job.
21. ____ Structures within the cytoplasm of eukaryotic cells.
22. ____ Summary of scientists' observations and conclusions about cells.
23. ____ Where photosynthesis takes place.
24. ____ What is released from a plant after photosynthesis occurs and what humans need to live.
25. ____ The process in which plants make food.
26. ____ Sugar

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27. ____ The green pigment in plants that captures sunlight.
28. How does the cell wall of a plant cell compare to the cell membrane of an animal cell?
- The cell wall controls what enters and leaves the plant cell; the cell membrane provides mostly structure and support.
 - The cell wall converts sunlight into sugars; the cell membrane controls energy production in the cell.
 - The cell wall provides structure and support; the cell membrane controls the substances that enter and leave the cell.
 - The cell wall provides structure and support; the cell membrane is surrounded by a structure that contains genetic information.

29. Complete the list of the levels of organization in organisms from smallest to largest.

Organelles _____

30. How does an animal get energy?

31. How does a plant get energy?

32. Which is a function of cellular respiration?

- to provide the body with carbon dioxide, which reacts with food to produce energy
- to provide the body with oxygen, which reacts with food to produce energy
- to provide the cells with glucose, which is used as a source of energy
- to provide the cells with water, which is used as a source of energy

33. Where photosynthesis takes place.

34. What is released from a plant after photosynthesis occurs and what humans need to live.

35. The process in which plants make food.

36. What a person breathes out and plants need for photosynthesis.

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37. The green pigment in plants that captures sunlight.
38. During photosynthesis, plants make their own _____.
39. Glucose gives a plant _____ so it can grow.
40. The chlorophyll in leaves absorbs _____.
41. Plants and animals need each other to _____.
42. During photosynthesis, _____ is released into the air.

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