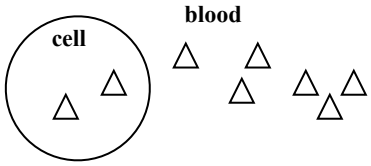
Use the pictures on the left to answer the questions on the right.

14. After digestion:
= glucose molecule



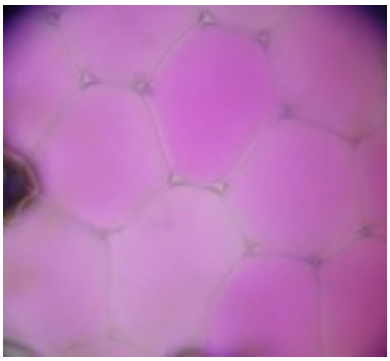
a. Which side has the higher concentration of glucose? _____
b. Which way will the glucose go? _____
c. Does this require energy? _____
d. Is this active or passive transport? _____

15. Easter egg coloring:

A blue food coloring tablet is placed in a cup of vinegar and water. The blue tablet will dissolve and spread evenly throughout the liquid.

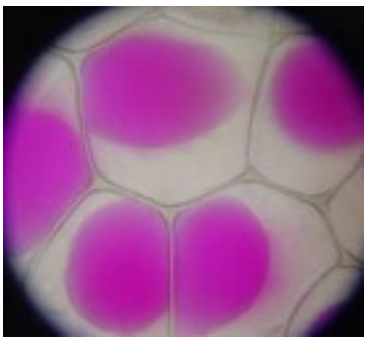
a. Is this diffusion or osmosis? _____
b. Does this require energy? _____
c. Is the blue dye going from a lower to a higher concentration, or from a higher to a lower concentration? _____

16. Plant cell after being over-watered.



a. Water rushes into the plant cell's vacuole. Is this diffusion or osmosis? _____

17. Plant cell after not being watered lately, so it has begun to wilt:

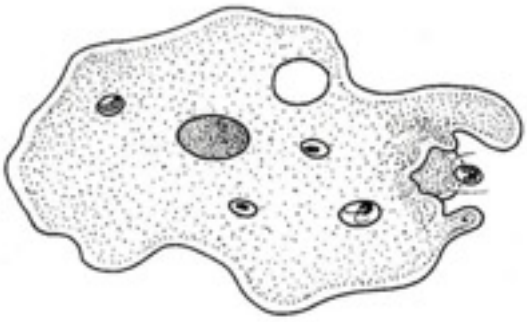


a. Which way will the water go? Into the vacuole, or out of the vacuole? _____

b. By what process will the water move?

_____

18. An amoeba engulfs a particle of food.



a.Does this require energy?_____

b.Is this active or passive transport? _____

c.Is this endocytosis or exocytosis? _____

19. An amoeba expels waste.

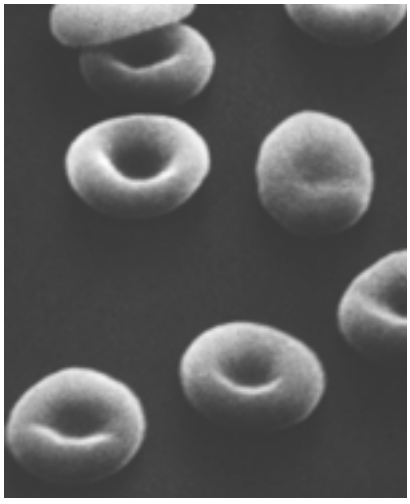
a.Does this require energy? _____

b.Is this active or passive transport? _____

c.Is this endocytosis or exocytosis?

_____

20. Red bloods cells placed in beaker of water



a. Will water move from the red blood cells to the beaker of water, or from the beaker of water to the red blood cells?

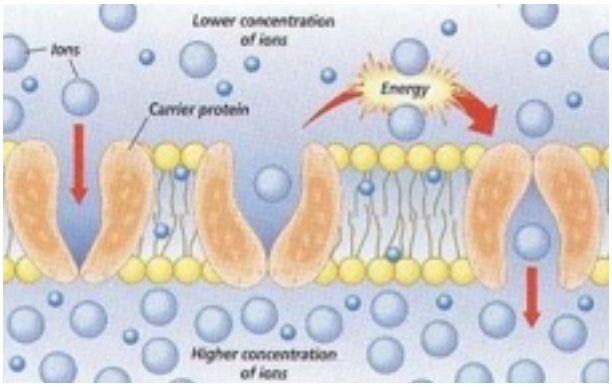
_____

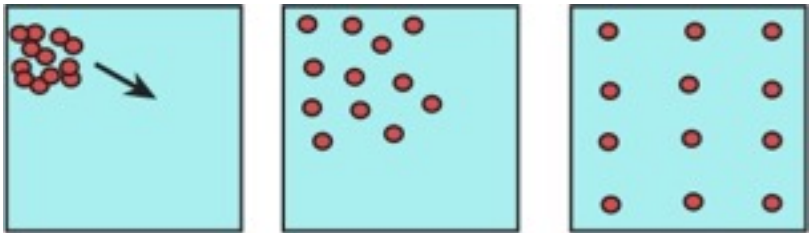
b. Which has the higher concentration of water, the beaker of water or the red blood cells?_____

c. Does this require energy? _____

d. Is this diffusion or osmosis? _____

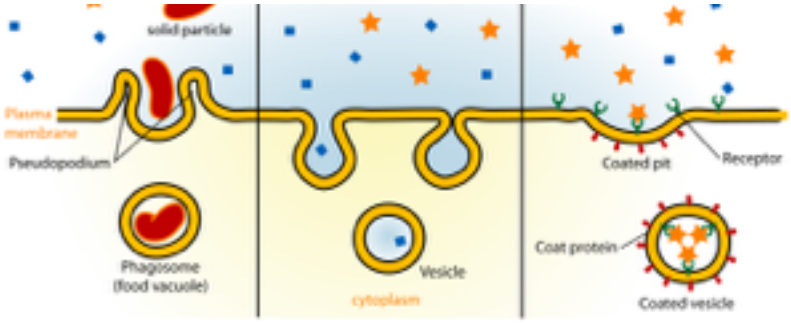
Identify each image as: **diffusion**, **osmosis**, **passive transport, active transport**, **exocytosis** or **endocytosis**.

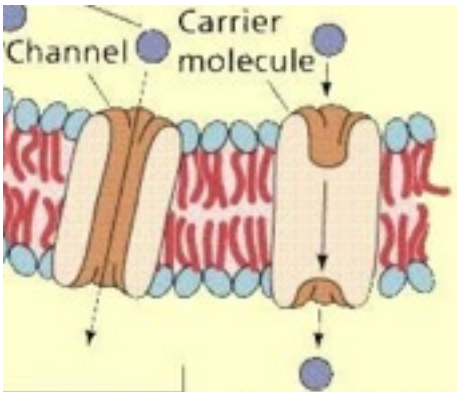




21. _____

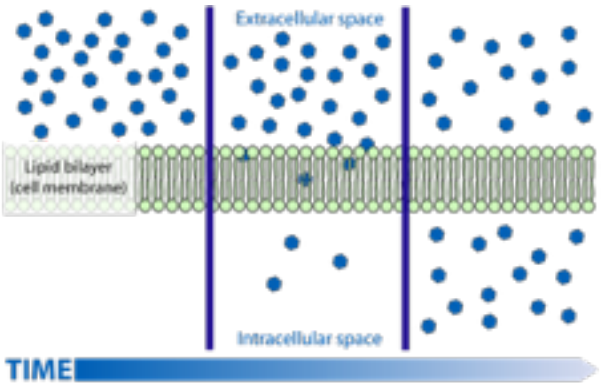
22. _____

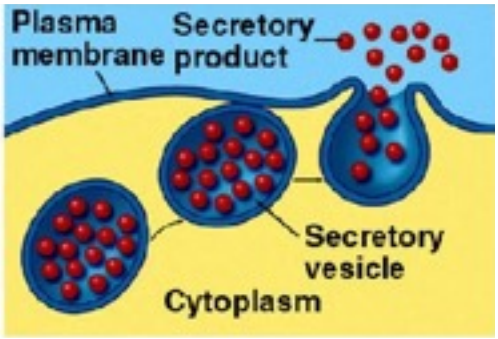




23. _____

24. _____





25. _____

26. _____