

Bozeman Biology
Cell Membranes # 2 video

<http://bit.ly/ycMhWX>

1. Why does soap dissolve the membrane easily?

2. What is selective permeability? How does the cell achieve this?

3. What are the major molecules in the cell membrane?

4. Define Amphipathic. How does this affect transport across the membrane?

5. What role do proteins play in transport?

6. What kinds of cells have cell walls?

7. Describe the fluid cell membrane

8. What are the two roles of cholesterol in the membrane?

a. _____

b. _____

9. What are glycoproteins made up of, and what is their role in the membrane? Name an important glycoprotein.

10. What are glycolipids made up of, and what is their role in the membrane?

11. Draw and describe the structure of a phospholipid - indicate the charges on the molecule.

12. Is fat = phospholipid? why/why not?

13. Describe the charge distribution of the membrane.

14. Why can't water move through the membrane?

15. What are the characteristics and examples of substances that can move easily through the membrane?

16. How do proteins assist in transport?

17. What kinds of particles move through proteins?

18. What kinds of transport do proteins assist with?

19. Name two characteristics of the cell wall.

20. What material makes up the cell wall of

- a. Plants: _____
- b. Bacteria: _____
- c. Fungi: _____