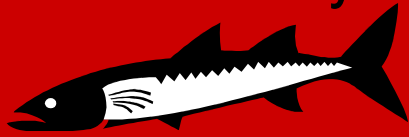


Attitude is Everything!



Wed, Oct 19, 2016

Please make sure
your phones are
in your bags.

Pick up: Cell Transport Packet

Today you will:

1. Review Transport Concept Map
2. Self Check-Cell Membrane
3. Passive Transport ISN pg 59
4. POGIL-Begin Transport in Cells

Check the NO Name folder!

Homework/Planner:

Review new Concepts

REVIEW definitions on p.56 Concept Map!

1. Transport Through Cell Membranes

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graph TD; 1[1. Transport Through Cell Membranes] --> 2[2. Active Transport]; 1 --> 3[3. Passive Transport]; 2 --> 4[4. Endocytosis]; 2 --> 5[5. Exocytosis]; 4 --> 6[6. Pinocytosis]; 4 --> 7[7. Phagocytosis]; 3 --> 8[8. Diffusion]; 8 --> 9[9. Facilitated Diffusion]; 8 --> 10[10. Osmosis];
```

2. Active Transport

Requires energy; moves
AGAINST gradient: $L \rightarrow H$

3. Passive Transport

No energy required; moves
WITH gradient; $H \rightarrow L$

4. Endocytosis

Moves sub. IN

5. Exocytosis

Moves sub. OUT

8. Diffusion

Moves particles

6. Pinocytosis

Moves
small
liquid
droplets

7. Phagocytosis

Moves large
particles

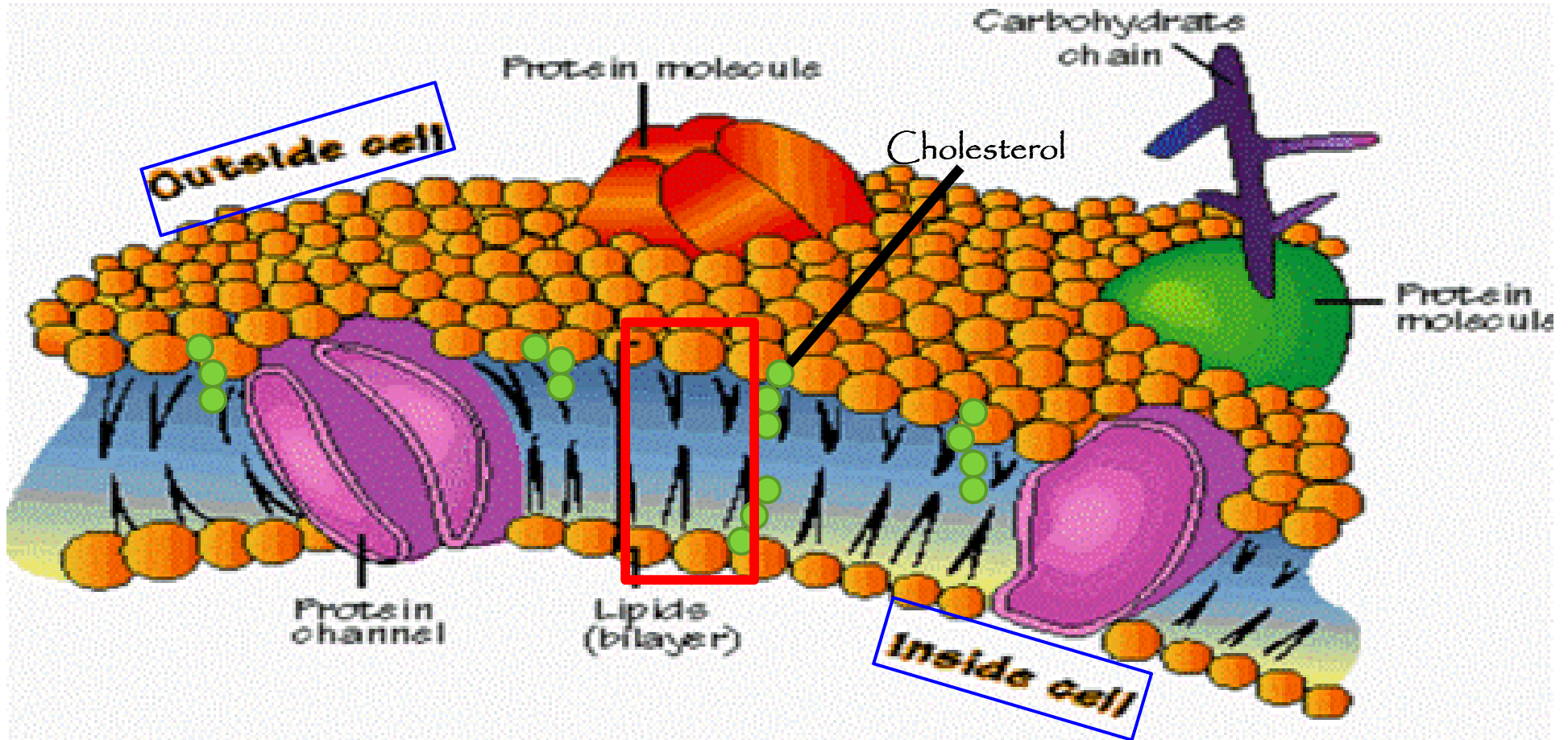
9. Facilitated Diffusion

Moves sub. w/
a little help

10. Osmosis

Moves
WATER
in & out

It all starts with



http://www.youtube.com/watch?v=Qqsf_UJcfBc

http://www.youtube.com/watch?v=S7CJ7xZOjm0&safety_mode=true&persist_safety_mode=1&safe=active

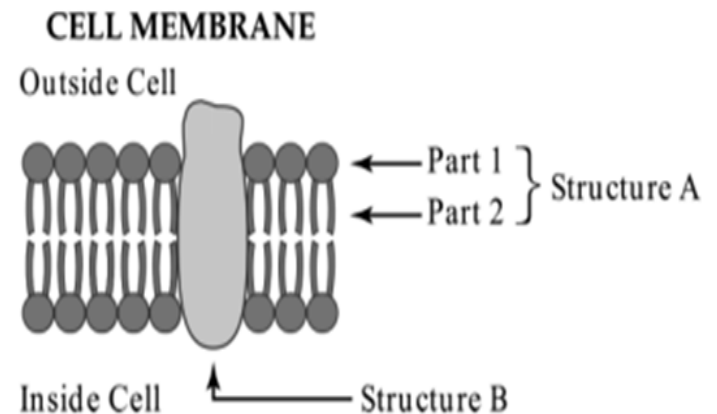
Cell Membrane Formative

1. Name of: Part 1 of Structure A, Part 2 of Structure A, Structure A and Structure B

2. A scientist removed the cell membranes from bacteria cells in a culture. She analyzed the cell membranes for specific molecules. Which of these was probably the most common type of molecule present in the bacteria cell membrane?

- A. Lipid
- B. Protein
- C. Nucleic acid
- D. Carbohydrate

Part 1:
Part 2:
Structure A:
Structure B:



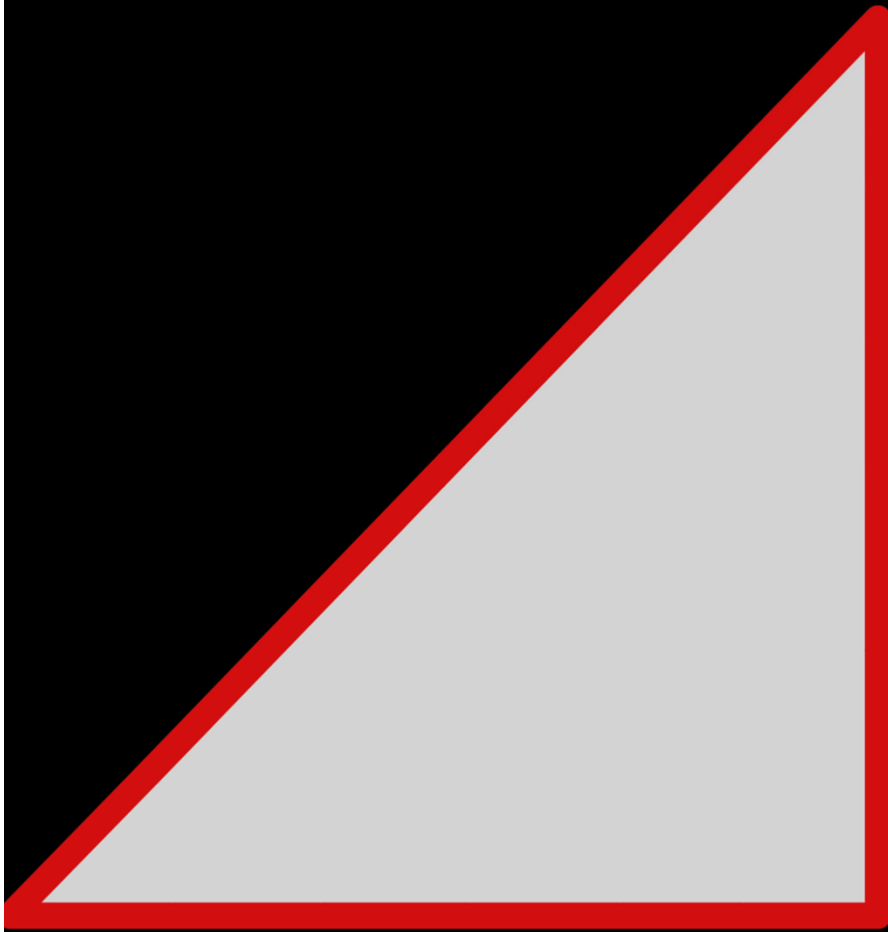
3. The plasma membrane of a cell consists of

- A. Protein molecules with polar and nonpolar tails
- B. Lipid molecules positioned between two carbohydrate layers
- C. Two layers of lipids organized with the nonpolar tails forming the interior of the membrane
- D. Protein molecules arranged in two layers with polar areas forming the outside of the membrane

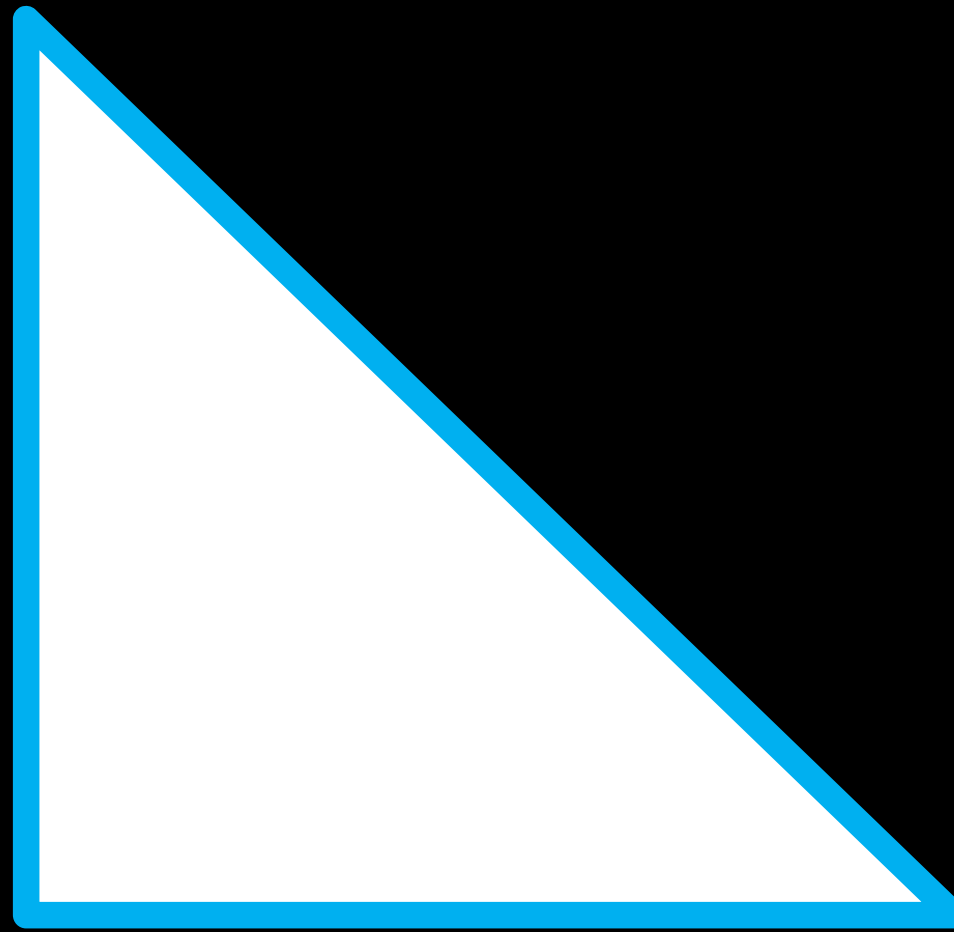
ISN p. 56

ACTIVE TRANSPORT

<http://www.youtube.com/watch?v=kfy92hdaAH0>



Passive TRANSPORT



Passive TRANSPORT

ISN p. 56

