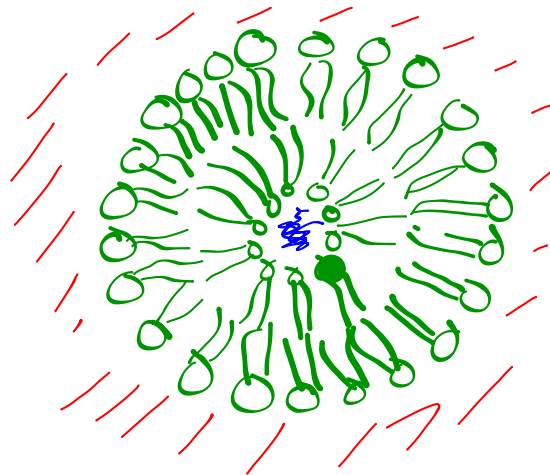


# Phospholipids:

- In living organisms, they form two layers: phospholipid bilayer

NOT  
TO  
SCALE.



- This is the basis of cell membranes and cells themselves

MORE  
TO SCALE



## Announcements:

- Test over biochemistry on Wed 11/30  
(note sheet ok)
- Check Pinnacle
  - Reactions lab / flame test
  - Biochemical compounds

## What if... questions:

I change something about science,  
or background facts. (could be ridiculous)

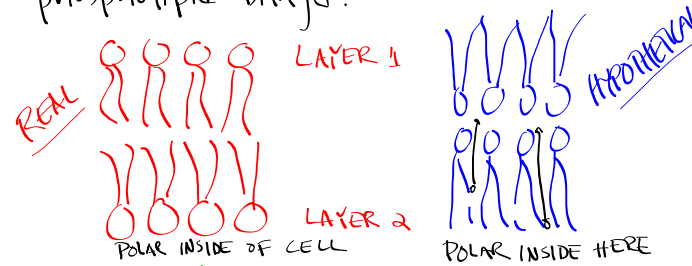
I'll ask you to make a specific prediction:  
"What would happen to... if ...?"

→ You'll need to make a prediction  
(for a small # of points)

→ You'll need to justify your prediction  
using evidence that we've discussed  
in class.

Example:

What would happen to the contents of a cell if we reversed the orientation of a phospholipid bilayer?

EVIDENCE:

- It's all about polarity • polar heads stick together & non-polar tails stick together
- In real life, inside of cells is touching the polar (head) part of the phospholipids. Maybe the inside of cells is polar?
- MAYBE the non-polar tails of the phospholipids will repel the inside of the cell. Maybe some of the cell insides would get stuck between the bilayers.