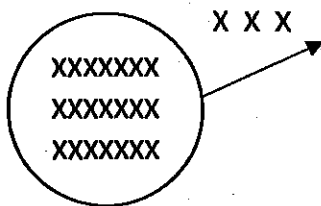


Name: _____ Period: _____ Date: _____

Molecular Movement Page 222

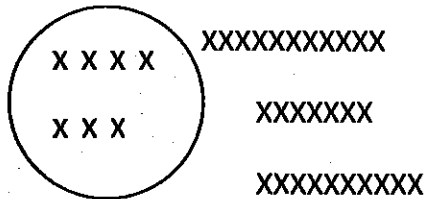
Define diffusion: _____

CELL A:



Molecule X-more on the inside of the cell, so they will move out.

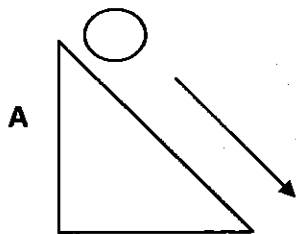
CELL B:



Use an arrow to show which way the X molecules will move for Cell B:

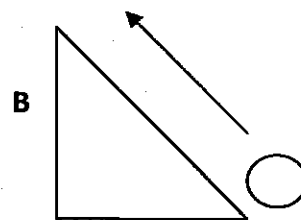
They will move _____ the cell because the concentration of molecule X is _____ on the _____ of the cell.

Molecules move down the concentration gradient. No energy is required.



If this is a bowling ball which will not require energy Figure A or B?

Why?



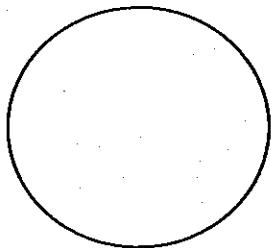
Define osmosis: _____

Organisms use **ENERGY** to maintain balance and unique internal environment.

Define vacuole:

Some _____ molecules or molecules with an _____ cannot move across a membrane without help.

Passive Transport

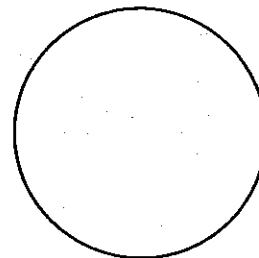


***No help required.**

***Molecules move from *high to low*.**

****Down* the concentration gradient.**

Active Transport



***Help- ENERGY- is needed.**

***Molecules move from *low to high*.**

*** Move *up* the concentration gradient.**

Use X's and arrows to show each form of transport correctly in the diagrams above.