WINK SHEET— Cellular Transport

Theme: Transport processes which move materials into and out of the cell serve to maintain the homeostasis of the cell.

Expectations:

- * Develop and use models to exemplify how the cell membrane serves to maintain homeostasis of the cell through both active and passive transport processes.
- * Ask scientific questions to define the problems that organisms face in maintaining homeostasis within different environments (including water of varying solute concentrations).
- * Analyze and interpret data to explain the movement of molecules (including water) across a membrane.

Vocabulary:

- Cell membrane
- Vacuole
- cell wall
- homeostasis
- active transport
- passive transport
- solute
- solvent
- osmosis
- isotonic

- hypertonic
- hypotonic

Activities

- egg labpotato labosmosis foldable