Ch 5 review homeostasis and cell transport

1. Explain the difference between passive and active transport and list all the examples for each type.
2. Define concentration gradient.
3. Define hypertonic, hypotonic, and isotonic.
4. Draw a cell in hypertonic solution and another in hypotonic solution.
5. Explain the difference between plasmolysis and cytolysis.
6. How is the sodium-potassium pump used?
7. What are the vesicles made of that are used in endo and exocytosis?
8. List two examples of each substance that each method uses to travel through.
9. What are the three stimuli that open or close the ion channels in facilitated diffusion?
10. Explain why turgor pressure is important.