Biology 160
Supplementary Text Materials – Stem Cells & Cloning

Use the “Stem Cells & Cloning” unit in the supplementary text materials (Pages AR-171 to AR-214 in your text) to do the following exercises and questions

Due Date: ____________________

1) What are the 2 basic characteristics of stem cells?
2) Briefly describe the 4 different types of stem cell potency.
3) Briefly describe the characteristics of Embryonic Stem Cells (ECS’s).
4) What are some potential uses for ESC treatments?
5) Briefly describe the characteristics of Adult Stem Cells (ACS’s).
6) What are some of the uses for ASC’s currently in practice?
7) Differentiate between “reproductive” and “therapeutic” cloning.
8) What are somatic cell nuclear transfer and embryonic cell nuclear transfer?