Some examples of previous essay topics:

1. Signalling roles of BMP and activin in early tooth development.
2. Role of Sonic Hedgehog signaling in ventral patterning of the neural tube
3. The role of the twist gene in Drosophila embryogenesis
4. Developmental defects in cardiogenesis due to loss of N-cadherin
5. The role of homeotic genes in neural development
6. Differentiation of neural progenitor cells by Notch signaling

Essay is 10 pages, double spaced. Use 5-10 primary references. Write a synthesis/review of the topic you choose based on the papers you have chosen.

You can use one figure in the paper. Page limit is excluding references. Use a number system to cite references in the text.