

7.22/ 7.72 Self Quiz
Mon Sep 26, 2005

1. Class challenge 1: UV irradiation prevents microtubule polymerization. What is the target of UV?
2. Class challenge 2: In general terms, what are “antisense” techniques?
3. Class challenge 3: Formation of the brain (anterior) seems to involve many inhibitors. Any ideas why this might be so? Consider that the forebrain may have evolved after the hindbrain.
4. Distinguish the concepts of “determination” and “differentiation”
5. The typical four part signaling pathway includes:
ligand, receptor, connectors, targets

For the Wnt pathway, which component corresponds to which part:
Frizzled, b-catenin, Wnt, siamois?

For the TGFb pathway, which corresponds to which part:
Smads, activin, nodal?