

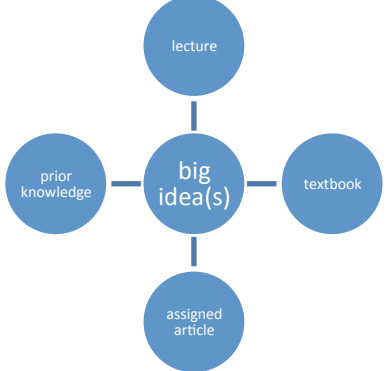
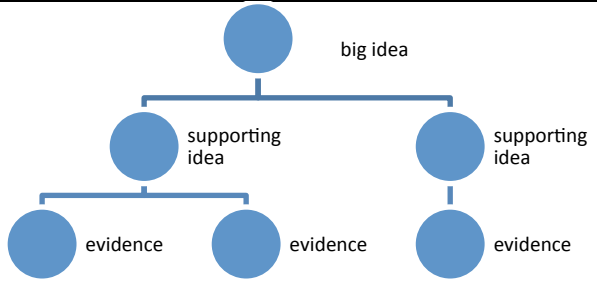
Writing prompts to guide your “collection of thoughts” in preparation for writing your essay

Goal of this assignment: You will be writing an article on cancer and treatments for cancer for which you will be drawing on different sources of evidence. To produce this article you will create three “collections of thoughts.”

The purpose of this assignment is to help you make sense of cell biology “big ideas” discussed in lecture, your textbook, and journal articles, while helping you find relevance of these big ideas in your personal lives.

Prompt 1: Imagine that a friend or relative of yours was diagnosed with cancer and was considering treatment with anti-cancer drugs. Think about how you might explain the role transporter mediated multidrug resistance in cancers to them. Using the information from the articles (Gutierrez 2013 and Tian 2010), the textbook, and your lecture notes gather your thoughts about what you know about transporter mediated multidrug resistance in normal cells and cancer cells and the mechanism and process of transmembrane transport in general. What information might your friend or relative need to know about the basis of this resistance and what can be done about it?

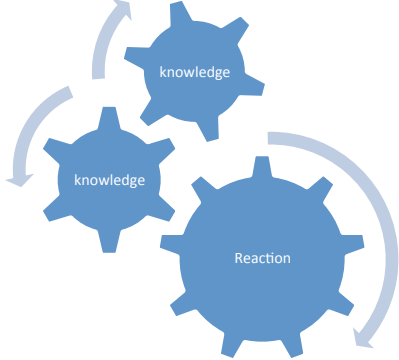
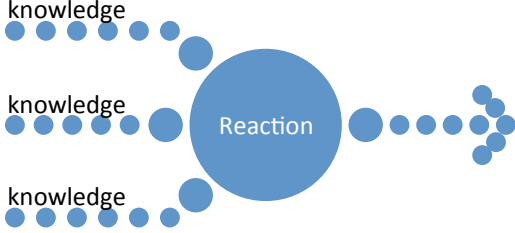
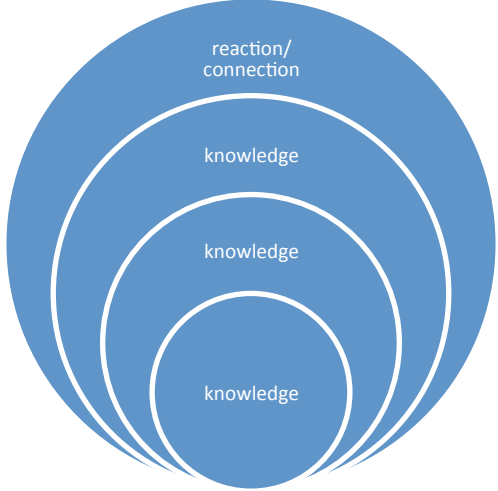
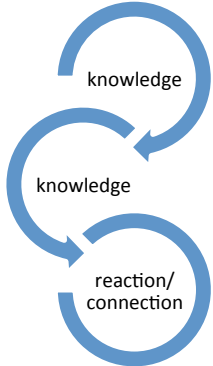
Strategy: Try using one of the following Pre-Writing Tools (or find another one such as those in “SmartArt” within Microsoft Word; click on “Insert” to find graphic organizers like those presented below) as you record what you know about anti-cancer drugs and how they work:

<div><div>big idea(s) from textbook reading</div><div>big idea(s) from lecture</div><div>big idea(s) from assigned article reading</div></div>																													
	<p>FREE WRITE (like a journal entry)</p>																												
<table border="1"><thead><tr><th colspan="4">EVIDENCE (the pieces of info that support the big idea)</th><th>CLAIM (big idea)</th></tr><tr><th>Lecture</th><th>Textbook</th><th>Assigned article</th><th>Prior knowledge</th><th></th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>					EVIDENCE (the pieces of info that support the big idea)				CLAIM (big idea)	Lecture	Textbook	Assigned article	Prior knowledge																
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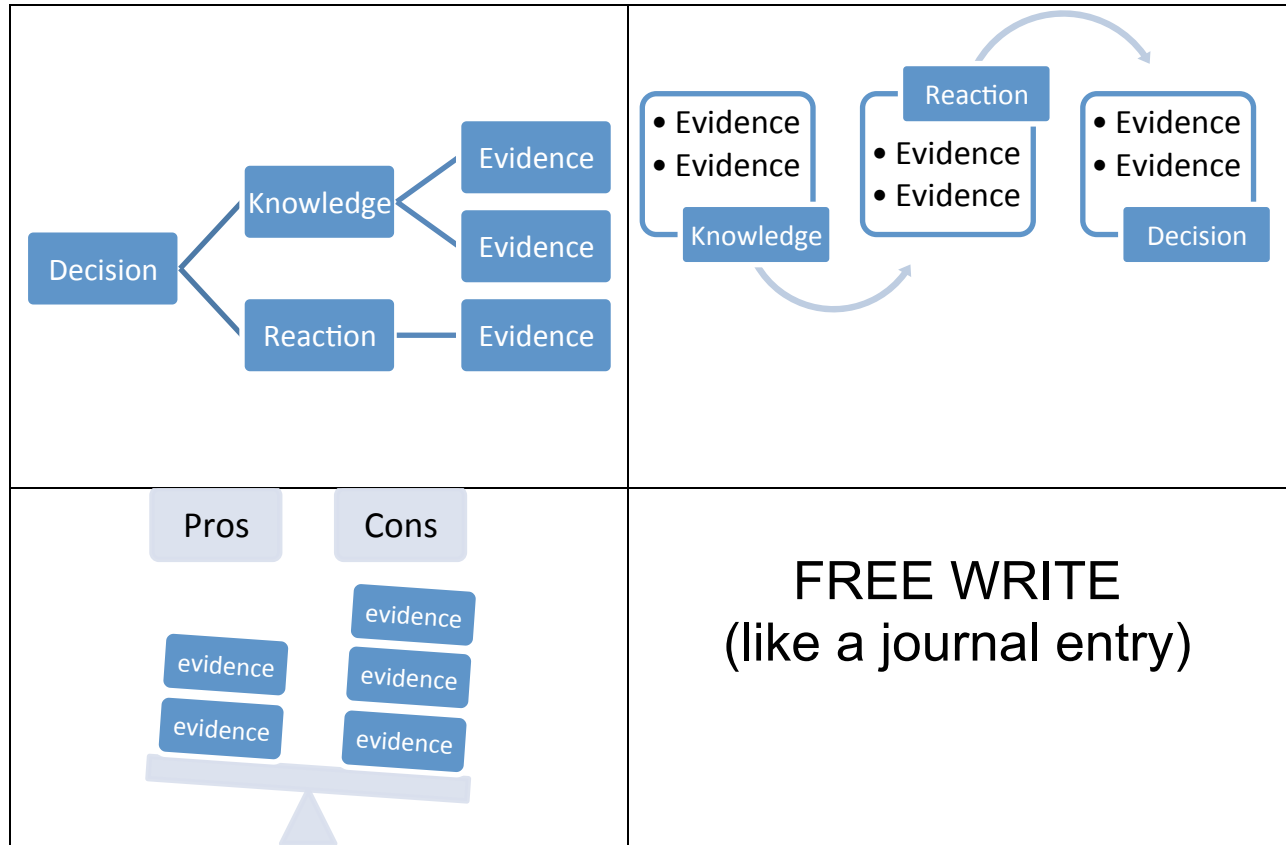
Prompt 2: How do you connect or relate to what you know? Think about your connections and reactions as you communicate your knowledge to your imaginary friend or relative who has cancer. Consider your personal connections and reactions to what you know about transporter mediated multidrug resistance to anticancer drugs and their role in shaping the treatment plan for this person.

Strategy: Use one of the following Pre-Writing Tools, or the ones previously presented in Prompt 1 to help you collect and organize your thoughts about your personal connections or reactions to this set of knowledge

	
	
<p>FREE WRITE (like a journal entry)</p>	

Prompt 3: What actions might you take as you consider this imaginary situation of your friend or relative going through cancer treatment? Consider what you know and how you feel about transporter mediated multidrug resistance in anticancer treatments. Identify any tensions or dilemmas you may face as you weigh the importance of various sources of evidence. Imagine your friend or relative was responding to the anticancer therapy, but now has relapsed due to the cancer becoming resistant to multiple anticancer drugs.

Strategy: Use one of the following Pre-Writing Tools, or the ones previously presented to help you collect and organize your thoughts about what decisions you may make.



Peer Feedback of Pre-Write Assignment 2A, 2B, 2C (Prompts 1, 2 and 3): Please read the pre-writing assignment (2A,2B,and 2C) from two of your peers in your randomly-assigned writing group. You will be providing feedback on their developing ideas and not on their writing mechanics (grammar, spelling, etc.). Is there a clear thesis by the end of the document? Do they support this with evidence from multiple sources? Does their personal or emotional connection inform their thesis?

Remember to be respectful of your peers. Your comments are meant to be constructive and not pejorative. Make sure you identify some areas of strength as well as areas of potential improvement.

ESSAY ASSIGNMENT:

1. Use the information in your pre-writing assignments responding to prompts 1-3 to construct a short essay (~1-2 pages) about the decisions you will make (i.e. what will you do) regarding transported mediated multi drug resistance in anti-cancer drug treatment now that you have considered what you know and your personal connections/reactions to the imaginary scenario of communicating with a friend or relative who is a cancer patient. Use your three Pre-Writing Tools to guide your writing.
2. **Highlight** the “big ideas”
3. **Bold** your reactions
4. Underline dilemmas/tensions and any resolutions to those dilemmas.

Balgopal, Laybourn,
Wallace, Brisch, 2013