



Virtual Lab Activity 5.2

Systems Thinking

- 1. Observe** Engineers use systems thinking to plan potential solutions to complex problems. Compare and contrast detailed explanations for systems thinking.

- 2. Execute** Using systems thinking, create solutions to the following problems:

- avoid an oil spill
- clean up after an oil spill
- replant a forest after a forest fire
- rebuild a city after a tornado

List both the positive and negative impacts. Which would you need to consider for each scenario? Explain how systems thinking makes the engineering design and problem-solving more efficient and effective.
