Key Concepts:

- Uninformed Search
  - Breadth First (BFS)
  - Depth First (DFS)
  - Uniform Cost Search
  - Depth Limited Search (DLS)
  - Iterative Deepening Depth Limited Search (IDDLS)
- Informed Search
  - Greedy Search
  - A* Search
- Heuristics

Sample Study Questions

1. For a particular search, describe how the search managed node insertion/removal into the fringe.
2. For a particular search, indicate it's "analysis" [Complete? Time Analysis? Space Analysis? Optimal?]. Be able to also explain WHY.
3. For a particular search and a provided search space (tree or graph) provide the order that notes are visited.
4. For a particular search, give an example of a domain where it will perform well and a domain where it will not perform well.
5. For a particular pair of searches, compare and contrast the tradeoffs between the two.
6. What is the knowledge contained in an informed search problem?
7. What is the difference between informed and uninformed search?
8. What does it mean for a heuristic to be "admissible"?
9. Why is essential that a heuristic is admissible?