Chapter 2
Answers for Concept Questions

1. The purpose of set design is to plan the visual aspects of the scene, including relative positioning of objects. An algorithm provides a step-by-step design for implementing a program, including the actions to be performed by objects and the sequence in which the actions will be performed.

2. Assuming the fish is currently positioned with its "belly" downward, use a one-step *turn* procedure to have the fish turn *forward* 0.5 rev. Alternatively, use a one-step *turn* procedure to have the fish turn *backward* 0.5 rev.

3. To avoid loss of work if, for whatever reason, the computer loses power or the project crashes.

4. It is possible that a project save will be corrupted in an attempted save. (This is not unique to Alice.) Having successive versions allows for returning to the previous version – instead of starting all over again.

5.
   Unscrew and remove the end of the flashlight (may be the bottom or the lens case)
   Pull out the old batteries, noticing the position of the + and – ends of each battery
   Insert new batteries, positioning the + and – ends as with the old batteries
   Screw the end of the flashlight case back on
   Push the on/off button to test.

   Yes, the order matters. The old batteries cannot be removed until the end of the case is unscrewed and removed. Likewise, the new batteries cannot be inserted until the old batteries are removed.