

## Figure 2.13: Questions and Prompts for Written Failure Analysis

1. Describe in detail what you observed at the time of the failure.
2. Explain any possible causes, including materials and procedures, for the failure.
3. Was the prototype test a good assessment of how successful a real product would be?
4. Can you identify any decisions or changes that may have led to the failure?
5. Were all critical constraints and criteria identified? Can you connect the failure to not having met or identifying relevant constraints or criteria?
6. Describe three improvements you can make in terms of design, materials, and procedures to ensure that this type of failure does not happen again.