Chapter 2 Aircraft Systems

- 1. What is the difference between *detonation* and *preignition*?
- 2. What could be wrong if the engine continues to run with the master switch in the off-position?
- 3. After crossing the Cascades I reduced power and the decent was uneventful. However, upon reaching the bottom of decent over Lake Whatcom, the engine was very rough and delivered no meaningful power. What did I forget to do?
- 4. There is an old saying among long duration bicyclists that lots of peddling means good knees. That is, choosing a slightly lower gear that requires more peddling is better for your knees than a higher gear and less peddling. Why?
- 5. Why should you avoid low-rpm and high manifold pressures?
- 6. While automotive turbochargers and aviation turbochargers provide forced induction, how do their purposes differ?
- 7. What are the four strokes of a *diesel* engine?