

Owner performed maintenance; Audience questions:

- 1. What does “Airworthy” mean?**
- 2. Who can perform preventative maintenance?**
- 3. Who can return the aircraft back to service?**
- 4. How do you return the aircraft back to service.”**
- 5. Can a private Pilot replace / repair landing tires?**

Intro to Energy Management; Audience questions:

- 1. For practical purposes, Total Energy consists of which two component energies?**
- 2. Which instrument helps give us a sense of kinetic energy?**
- 3. The “Control-Performance Method” of instrument flying is based on the theory that “_____ _____, plus _____ _____ gives predetermined performance.”**
- 4. Assuming glide range is important, what adjustment, if any, should be made to glide speed if encountering headwinds?**
- 5. What would be the benefit of carrying an “energy reserve” into a glide?**

Owner performed maintenance; Answers

1. When it meets it's type certificate data sheet, properly maintained
2. Private Pilot or higher rating
3. Private Pilot or higher rating
4. Sign maintenance entry, Name, Pilot Certificate #
5. Yes, A Private Pilot can replace / repair landing tires?

Intro to Energy Management; Answers

1. Answers to the above questions:
2. Potential Energy and Kinetic Energy.
3. Airspeed indicator (measures dynamic pressure)
4. "Predetermined Pitch", "Predetermined Power"
5. Increase glide speed for best range.
6. It offers a safety margin if the glide doesn't go perfectly. You could convert some kinetic energy into 1) potential energy, and 2) settle closer to the "bucket point" glide speed. No such option exists while gliding at the so-called best glide speed.