

Answer the following questions as you read along with the information presented in Module A - Flight Instruments section of the class web site.

Pitot Static Instruments

1. What do three of the six primary flight instruments measure?
2. Name the three pitot static instruments.
3. What are all three connected to? What does this do?
4. What is the air speed indicator connected to? What does it do?
5. Explain, in your own terms, how the airspeed indicator works. What is a barber pole?
6. How is airspeed measured (in what type of units)?
7. When is indicated airspeed used? When is true airspeed used?
8. Define the following airspeed indicator colors -- WHITE, GREEN, YELLOW, RED.
9. For large aircraft, what is the Mach number indicate?
10. Explain, in your words, how an altimeter works.
11. What is meant by "setting" the altimeter?
12. What is the difference between indicated, true, and absolute altitude?
13. What are is the problem when flying from HIGH pressure to LOW pressure if the altimeter is not set?
14. What does the vertical speed indicator show?