

14.7

1

1/2

ISA

59

3.5

1”

1013.2

white



# READ THE ALTITUDES

set



**Indicated altitude:** the approximate height of the aircraft above mean sea level [MSL], calculated in accordance with the ISA.

**Calibrated altitude:** the indicated altitude corrected for internal instrument error and static vent position error.

**Density altitude:** used to determine possible aircraft performance - pressure altitude adjusted for variation from standard temperature

**Pressure altitude:** the altimeter reading when set to 29.92". Remember- an aircraft maintaining a constant altitude using 29.92 is following an isobaric surface whose height above MSL will vary according to atmospheric conditions.

QFE

Field Elevation

= "zero"

QNE

Altitude above MSL (29.92)



# READ THE ALTITUDES



**True altitude:** the actual height of an object above MSL. (Objects on aeronautical charts are in true altitude.)

**Absolute altitude:** the actual height of an aircraft above the earth's surface over which it is flying. (AGL = above ground level)

**1" = 1,000'** Hint:

Fly high pressure to LOW pressure without resetting altimeter, you'll be flying LOW "When flying from high to low, look out below!"

When you turn setting to LOWER, the indicated altitude is LOWER (thus, you need to climb in order to get back to desired altitude....



## QUESTION:

- Give me a circumstance where:  
Indicated Altitude  
EQUALS  
Pressure Altitude  
EQUALS  
Density Altitude  
EQUALS  
True Altitude

