Resources:

THE GREAT PAPER AIRPLANE KIT includes a book full of award-winning folded planes from various schoolyard specials that are fun to fold and fly, to the beautiful, sleek lines of SSTs and stealth craft, to the exotic, experimental outer-space look of starships with designs that push the limit of paper airplanes far beyond the ordinary. The book brings us into the captivating world of creating folded paper airplanes with tips on the techniques of paper folding, a look at potential problems and their solutions, and suggestions on how to get the best mileage when flying paper planes.

In addition to the folded paper plane designs included in the book, THE GREAT PAPER AIRPLANE KIT offers extraordinarily colorful, historically accurate plane designs from WWI and WWII, including the Fokker Triplane and the Zero printed on heavy paper for you to cut out and assemble following the detailed instructions that are also included. Several sheets of special pearlized silver paper can be used for the folded planes.

BARNES
&NOBLE
NEW YORK

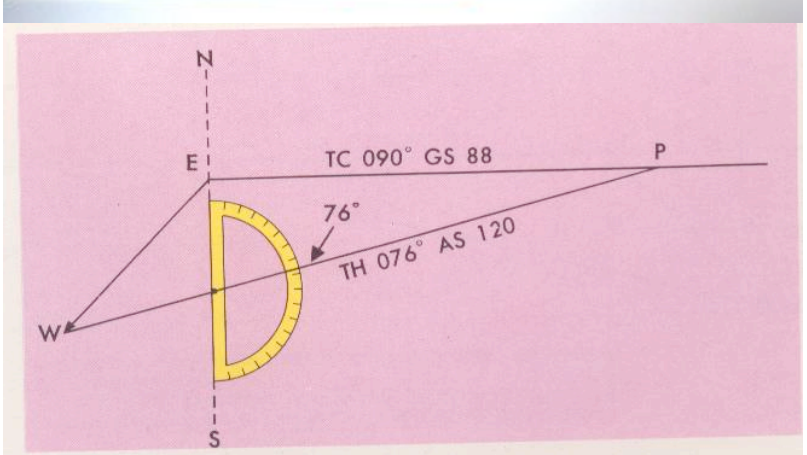


Figure 81. *Finding true heading by direct measurement.*

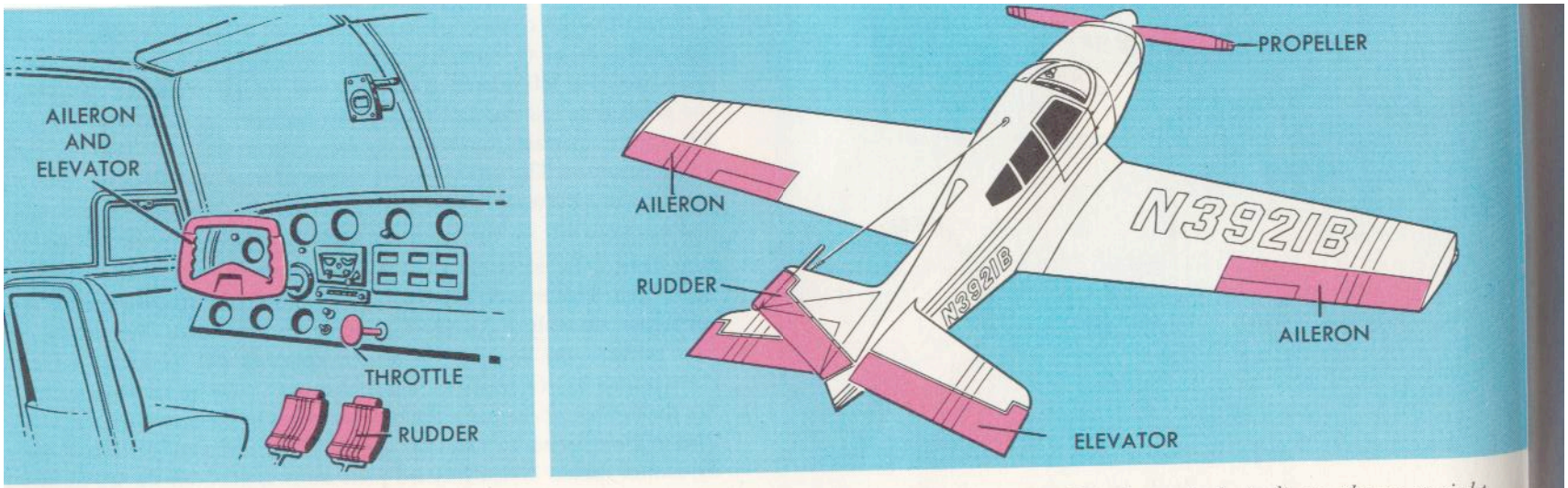


Figure 15. *Conventional arrangement of controls (red) is shown at left. The airplane surfaces that respond to the controls (red) are shown at right.*

Name: _____

Period: _____

Date: _____

K-W-H-L Chart

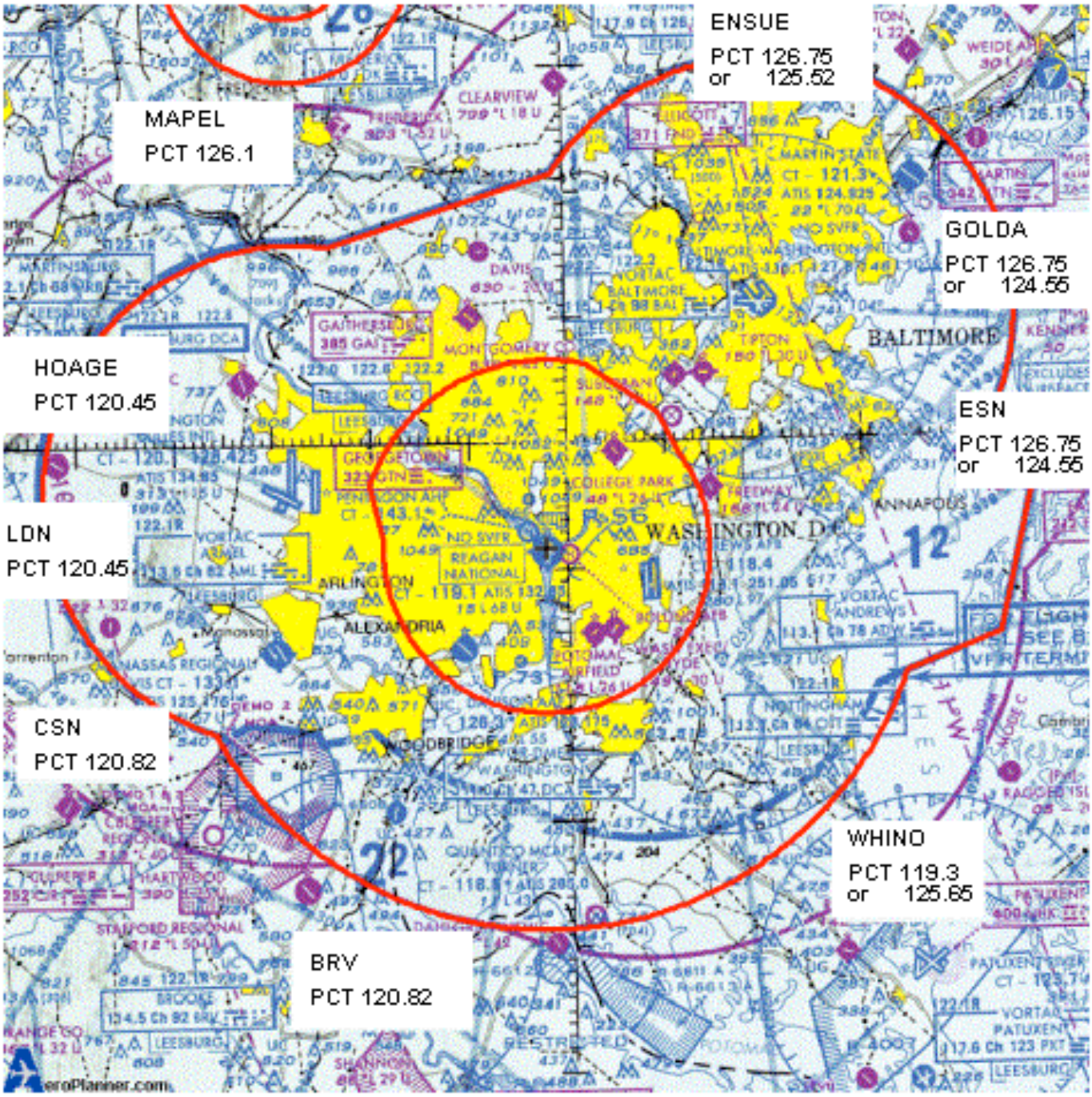
Use this chart to help you gather information and think through a research problem. Fill in the blanks below with NOTES and ideas, rather than complete sentences. You may use these notes later to write your report or presentation. Use this sheet to help you think on paper.

What is your topic? _____

What do you hope to prove or discover about it? _____

What is your central research question? _____
(NOTE: Everything you write below should help you answer this question.)

K **What I Know**	**W** **What I Want to Know**	**H** **How will I find information? (Which resources, web pages, texts, etc.)**	**L** **What I Learned**


ENSUE
PCT 126.75
or 125.52
MAPEL
PCT 126.1
GOLDA
PCT 126.75
or 124.55
HOAGE
PCT 120.45
ESN
PCT 126.75
or 124.55
LDN
PCT 120.45
CSN
PCT 120.82
WHINO
PCT 119.3
or 125.65
BRV
PCT 120.82
BALTIMORE
WASHINGTON, DC
REAGAN NATIONAL
ARLINGTON
ALEXANDRIA
WOODBRIDGE
ANNAPOLIS

The silver Cessna 172 has just taken off from Toronto Airport, headed for Annapolis, where Laura is looking forward to a visit with her aunt Sarah and cousins Larry, Charles, and Susan. It is June 15. School is out, and a beautiful day beckons the flyers to the clear blue and puffy white clouds on the horizon. The pilot, Jerry Johnson, has just leveled the plane at cruising altitude of five thousand feet. The world below looks like a miniature train set. Asphalt highways and buildings look like strips of lace with dots of toy houses in an unending series of patterns. Suddenly Laura's thoughts of reunion with her cousins is interrupted by a deep groan. The pilot lets go of the controls and clasps his hands on his chests. His face is changing colors… pale, then a frightful red… he is gasping for air. Laura feels the plane begin to turn off course. It is a dual control plane. Her Dad showed her on several trips how to steer the plane. Instinctively she tugs at the control yoke, pulling the plane's nose back to a level position and relieving the jolt to her stomach.

"Jerry, are you OK,?" She begs, her voice shaking with fear. Please, Jerry, breathe!" But Jerry does not answer. A glance at his face that is slumping forward, as if trying to ease the pain in his chest, gives Laura no assurance. His face is turning purple. Laura reaches for the plane's microphone and pushes the "talk" button. "Mayday, Mayday, Mayday!"

The radio crackles back. "This is Toronto Tower. Please explain, and give your ID and position." Laura's trembling fingers squeeze the button again. She speaks with a wavering voice. "I am Laura Green. The pilot, Jerry Johnson, just passed out. He doesn't seem to be breathing. I'm trying to steer the plane but I'm not a pilot. Please help me!"