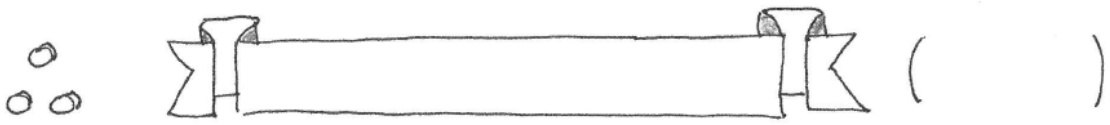
NOTES: Factor of safety

LET'S DESIGN A LINK

WHAT THINGS AFFECT WHETHER OR NOT THE LINK FAILS?

HOW _____ WOULD YOU SAY MANY OF THESE THINGS ARE?



NOTES: Factor of safety

KEY IDEA: FOS _____ _____ _____ !

LET'S ASSUME OUR LINK WILL FAIL BY FRACTURE @ AN ULTIMATE TENSILE STRENGTH of 90 ksi

FOR A FOS = _____, WHAT STRESS SHOULD THE LINK BE DESIGNED FOR?

a. 90 ksi
b. 30 ksi
c. 270 ksi
d. SCHIFTY-FIVE

¿ WHAT FOS TO USE?

STRUCTURAL STUFF →

AIRCRAFT →

¿ WHY NOT MAKE FOS = ?

¿ WHERE DO YOU GET GUIDELINES FOR FOS?

-
-
-
-