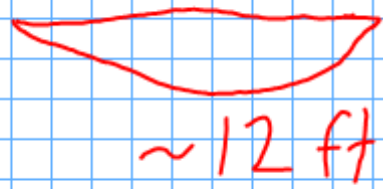




TEST REVIEW NOTES

#10 -



← Add up or count squares

#11 - Calculate river speed → $\frac{\text{distance object floats}}{\text{time to float that distance}}$

$$\frac{x \text{ ft}}{y \text{ sec}} = z \frac{\text{ft}}{\text{s}} \quad \frac{\text{feet}}{\text{seconds}} = x \frac{\text{ft}}{\text{s}}$$

$$\#12 \quad \text{Streamflow} = \overset{(\#11)}{\text{speed}} \times \overset{(\#10)}{\text{area}} = \frac{\text{ft}^3}{\text{sec.}} \quad (\text{cfs})$$

$$z \frac{\text{ft}}{\text{s}} \times a \text{ft}^2$$

SHOW WORK with units

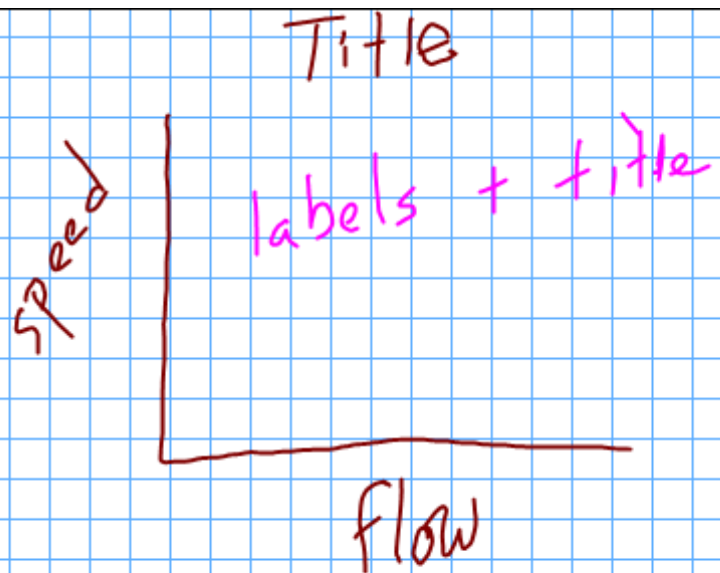
#1 Testable question + prediction
Write your own! → must be able to
do an experiment, write prediction

#2 At least 4 steps that are numbered.

#3 Collect quantitative data → write units
SI units

#4 Math analysis → Average, $\frac{ft}{s}$, $\frac{ft}{s} \times ft^2$
show units

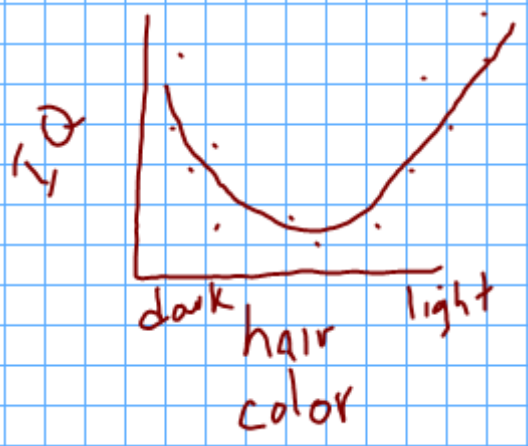
#5



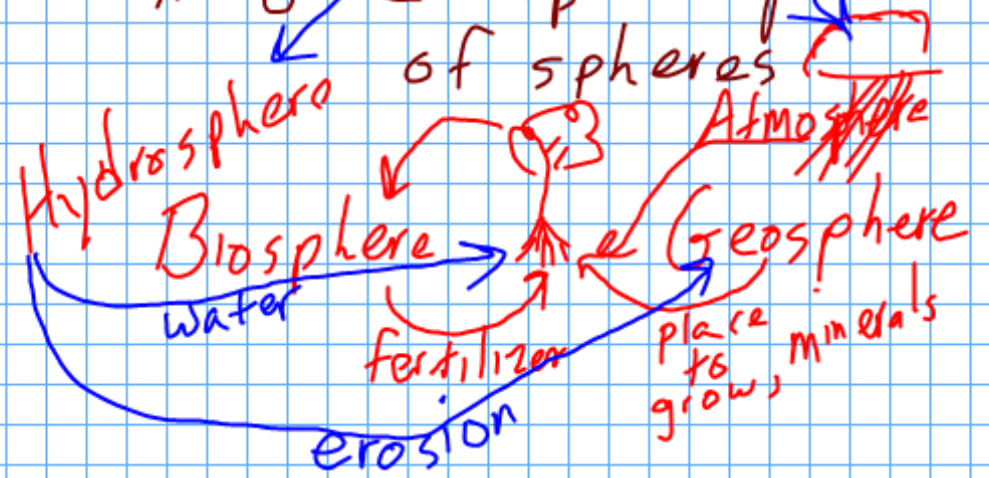
#7

Why did you
get these
results?

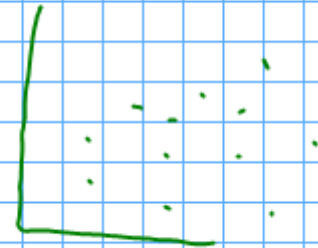
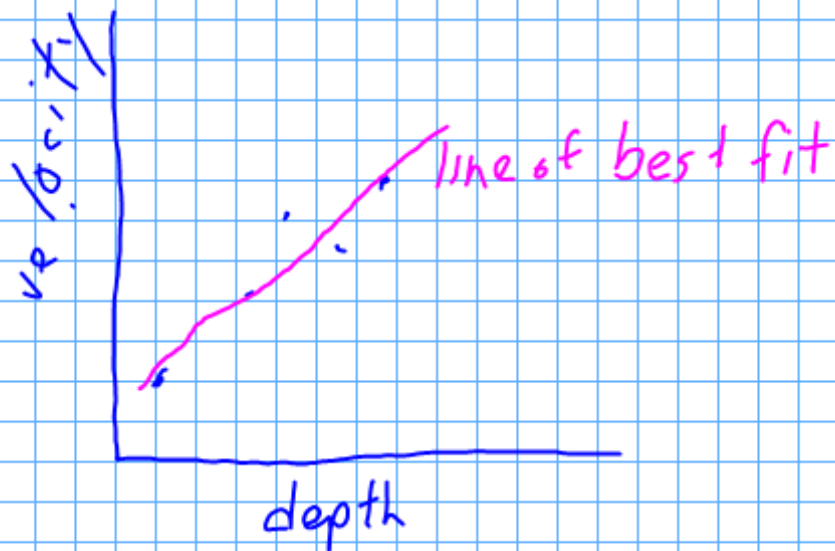
#6



#8 Concept map



Per. 8 Stream Velocity vs. Depth



Description

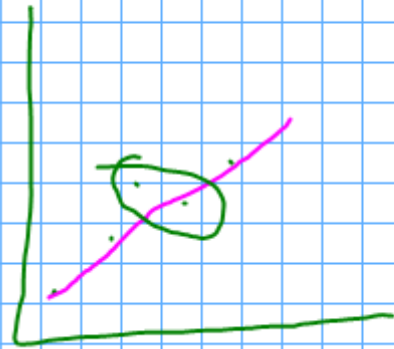
1. Trend → relationship betw. variables

"As depth increases velocity increases."

2. How straight are the dots?

"Fairly straight line"

Explanation



Plausible reason why

1. Why does velocity go up with depth?

"In deeper water the rocks don't slow it down as much"

2. Why are they not perfectly straight?

