

LECTURES 1-2

GUIDED NOTES

Complete the following questions by either (1) printing this document and writing out your responses or (2) loading it on a tablet and using a stylus to annotate. Include as many extra pages as necessary to answer each question. **Use complete sentences and avoid one-word answers.** Upload your completed work to the Gradescope assignment.

EQUATIONS

What new equations (if any), were presented in lectures 1 and 2?	
Explain what quantity (e.g. distance or temperature) each variable in the equation represents.	
What SI units are used to describe each quantity?	

REAL LIFE EXAMPLES

[illegible]

CONFUSING CONCEPTS?

What concept is the most confusing or unclear for you right now?

Why do you think that is?

If nothing was confusing or unclear, what concept is the most coherent and clear for you right now?

Why do you think that is?

FAVORITE & LEAST FAVORITE

What's your favorite topic from lectures 1 and 2? Why?

What's your least favorite topic from lectures 1 and 2? Why?

ABOUT YOU

Is there anything else you want me to know about you?

Is there anything I can do to make sure you can participate fully in this class?

WEEK 1 CONCEPTS

What would you respond to somebody implying that a scientific theory is incorrect? For example, what if somebody said "gravity is *just* a theory?" Are they correct? Is gravity somehow invalid because it's just a theory?

Explain the difference between the terms **constant velocity** and **constant speed**.

Explain the difference between an object that has **no force** acting on it and an object that has **no net force** acting on it.