

Manager _____

Recorder _____

Skeptic _____

Problem-solving worksheet

Natural description

1) Make a sketch with given information.

2) What do you want to find out?

3) What are the physics ideas?

Physics Description

1) Draw a Physics Diagram

2) Make a chart of known and unknown variables. Indicate which one you will solve for.

3) Write down the general equations

Combine equations until you have the quantity you are solving for equal to and equation containing only known variables. (Do not plug in numbers at this point.)

Calculate the solution. (Plug in numbers.)

Evaluate the solution

1) State the solution to answer the original question (in one or more sentences).

2) Is it reasonable?

3) Are the units correct?

Perform unit check.