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## Lab 1: Axe Worksheet

Let's take a closer look at the axe. If at any point you get confused trying to fill this out, continue watching the video (or watch it again) to try to get a better understanding of how to apply the concepts. If that doesn't help, try going back to re-watch the first video.

1.1 - Think about the function of an axe.	In your own words,	, what is it trying to	accomplish?	What is the d	lriv-
ing force behind it and how does it behave as	s a tool?				

1.2 - Draw a front-on diagram of an axe driving into a piece of wood. Make it clear where the applied force is and where the effected force is.

## 1.3 - Circle the correct answers in the following sentences:

The end of the axe to which force is applied is the **handle / blade** 

which means that the other end is the one that **effects / recieves** force to the surroundings.

The direction of work being put into the axe is **down / out**.

The force being put into the axe is **greater than / less than** the force from the axe into the log.

This means that the applied distance must be **greater than / less than** the force from the axe into the log.

Based on this, we know that people use axes to improve force / distance of the applied force

at the cost of a greater required force / distance.