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|  | **Worksheet - Keys and Passwords** |  |

## 

## Answer these questions

These questions are intended to be answered as part of an activity using <http://howsecureismypassword.net>. The questions below assume ask you to try things out using that tool.

* Create a few passwords using 8 lowercase ASCII characters (a-z). What’s the longest amount of time-to-crack you can generate?
* Using any characters on the keyboard, what’s the longest amount of time-to-crack you can generate with an 8-character password?
* As you try passwords, what seems to be the single most significant factor in making a password difficult to crack? Why do you think this is?
* Opinion: Is an 8-character minimum a good password length for websites to require? Give your opinion, yes or no, and explain why you think that.
* The AP CS Principles framework contains the following statement: ***Implementing cybersecurity has software, hardware, and human components.*** Based on what you’ve learned so far, describe at least one way that cybersecurity involves “human components.”

Hopefully you can now appreciate this comic: <http://xkcd.com/936/>