

Name(s) _____ Period _____ Date _____

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/>