Read the following articles:

* <https://www.digitaltrends.com/mobile/sim-swap-fraud-explained/>
* <https://www.itworldcanada.com/article/warning-protect-your-mobile-phone-numbers-from-being-hijacked/396018>
* <https://www.wired.com/story/sim-swap-attack-defend-phone/>
* <https://krebsonsecurity.com/2015/11/talktalk-script-kids-the-quest-for-og/>

Questions:

1. What is a SIM card?

A sim card is a little card that goes into phones and what it does is it carries a unique number which allows the phone to make and receive phone calls and it also stores personal data

1. Why is a SIM card required for your phone to work?

Without the sim card the phones would not be able to access any mobile network and the card is what holds all the important information

1. What is “[text-based two-factor authentication](https://www.wired.com/2016/06/hey-stop-using-texts-two-factor-authentication)” ?

2 factor authentication is when it takes more than 1 step to log in to an account for example if you are trying to log into your email once you type in your password it will send a text to your phone and then you will be required to enter the code

1. How is two-factor authentication related to your phone?

Its related to our phone because that’s where it sends the code that we need to enter to login

1. How is two-factor authentication related to your SIM card?

It is related to our sim card because to be able to receive the code that we need, we need a number that they can send the code to

1. List some of the services criminals can access if they get control of your SIM card.
   1. Banking & Financial

If they get a hold of your sim they can end up taking your money because if you call the bank the bank will think it’s you and end up doing what ever the other person wants for example transferring money

* 1. Social Media

They can end up hacking your account by changing your password with your phone number and once they do that they can start posing as you and say/post things that you don’t mean or want to post

1. Explain how criminals can get control of your SIM card
   1. Collecting Personal Information

Age, name address, birthday

* 1. Create False Identity

They can pretend to be you or a close relative or something like that.

* 1. Requesting a new SIM card

They say that they are you and say they lost their sim or something and that they need a replacement

1. What are some signs of SIM swap fraud?

Extended signal loss and getting a ton of calls and or messages

1. How can you prevent SIM swap fraud?
   1. What are some general methods

You could tell your provider to first ask for a password and if the person doesn’t know what the password is it’s not you

* 1. Who is your Canadian phone company / carrier?

none

* 1. What do they offer regarding SIM swap fraud prevention?

none