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/>

Questions:

1. What is a SIM card?

* SIM card is inside a Phone
* Carrying an identification number unique to the owner
* storing personal data

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

* It unlocks the phone
* Won't be able to tap into any mobile data

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

* Organization online will ask to add your phone number to access your account
* They will sent a text saying “yes” or “no” to verify if it’s you to access your account

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

* two factor is related to my phone because it contains personal information and allows access to my account by giving “yes” or “no”

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

* It is related to my sim card because it uses my sim card (Phone number) to give me access to my account

1. List some of the services criminals can access if they get control of your SIM card.
   1. Banking & Financial
   2. Social Media
   3. Personal Information
   4. Personal Security Information
   5. Contacts
2. Explain how criminals can get control of your SIM card.
   1. Collecting Personal Information

They can sim swap cards frauds and collect personal information from your phone.

* 1. Create False Identity
* FInd social medias and get personals information
  1. Requesting a new SIM card
* Calls your phone carrier regarding needing a new sim card

1. What are some signs of SIM swap fraud?

* Can’t call
* Can’t text
* Won’t be able to access your accounts

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

* two step authentication
* add more security features to your account
* tell your phone carrier passwords that won’t be accessed by criminals
  1. Who is your Canadian phone company / carrier?
  2. Bell Canada
  3. What do they offer regarding SIM swap fraud prevention?
* extra security from at&t
* to set a pin and security questions when they access the service from sprint
* create a care password which has to contact the phone carrier from T-Mobile
* creates pins and make questions from verizon