Reflection Questions

1. Computer science to me, makes me think of the study and understanding of computational technology or techniques and procedures. Being able to create or use programs on a computer to analyze or complete complex tasks that are too complicated to do by hand.
2. I think older relatives would think that computer science is understanding how a computer works so that the person is able to construct computer components or create programs.
3. Younger friends may think that computer science is to build computer skills and have the intention for technological growth. Computer science, they may think, is for nerds who work on a computer as their job and try to fix problems that have anything to do with a computer.

1. When I hear the term biology, I think about the function with how life is able to exist and the study of organisms that work together to keep the world stable.
2. I do consider myself a biologist because I have taken multiple learning courses and have had experience with different aspects of biology. I also have a passion for learning more about the body function of animals and discovering new information that helps humans understanding how certain animals are able to thrive in specific environments.

1. To show what the terms computer science and biology actually mean and how there are misunderstandings of the two career paths. In the *Voices of Computing* article, people who have different focuses in computer science explain what they actually do and their impressive diversity in work. In *Computing is a Natural Science*, an argument is made that computation existed long before computers.
2. The Scientist because I believe that I can also apply field research data to computational analysis so that I may conclude the research question much faster with the support of statistical proof. Being able to use an algorithm or command in the computer to understand my data will cut a great amount of time.
3. For the principle of Communication, it is very important to stay in close contact with a research group so that each person knows which data set or portion they are in charge of. The data that they obtain needs to be shared with the rest of the research group so that when the time comes for data analysis, all the data obtained will contribute to the findings made once statistical analysis is complete.
4. That college students from the University of Nebraska had no idea how to program a computer, but a 12-year-old did because he took an elementary level course in computers and was already able to do so much more than those college students. Its very interesting and amazing how computers and programing them are such a big part in scientific research, even if it has to do with animal research. Being able to mix multiple career skills together like computer science will be very useful for biologists in the long run.
5. To be a biologist means to be a person who is able to study life through the scientific process, which includes the questions, data collection, data analysis, and a conclusion. Being able to fully complete this scientific process requires skills that extend to different careers other than biologists. I consider myself to be a biologist, but more specifically, a practicing biologist, who is currently learning how to develop the skills to professionally conduct my own research and analyze the data that I obtain in order to share my findings with the public so that they may be more educated and appreciate nature a bit more.