Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**NXT Overview Lesson 1**



1. Compare two sensors above and describe how they are different.
2. Analyze two other sensors and describe a scenario in how they both could be utilized for a particular robot.
3. Name the 12 parts with a labeled sketch from the REPEATING video [https://www.emaze.com/@ALRWIQLR](https://www.emaze.com/%40ALRWIQLR)



1. How many objects from this picture above were not on the previous page? What do believe is their function?
2. What would you propose as the difference between **software** and **hardware**? *(Hint: Think about the “BRICK” and sensors and where they might fit into this role)*
3. Another term used in robotics is **firmware**. Based on the previous two terms, what might firmware be defined as in terms of robotics? *(Hint: Think about the terms “BRICK”, sensors, and written programs and where they might fit into this term)*