Name: _____ **Date:** _____ **Class:** _____

Haptic Technologies Worksheet

1. Haptic feedback is which of the following? Please circle one answer:
- **a)** hearing
- **b)** taste
- **c)** touch
- **d)** sight

2. Susan decides to play a 3D game that has enemies trying to sneak up on her. The controller vibrates with footsteps and other similar realistic effects such as doors closing. The more intense the vibration, the closer, the enemy is. Does this help Susan's response time to being able to avoid the enemy? Please circle your answer: **yes** **no**

3. Please explain and justify your answer to question 2:

4. Sally is blind, but still likes to interact with technology. Haptic feedback would help her do which of the following on her tablet? Please circle one answer:
- **a)** Know which icon she pressed by an audio reading of the application's name.
- **b)** Identify which application by an odor that is released from the tablet specific to each application.
- **c)** Identify an icon by the texture she felt from the screen.
- **d)** Know which application was selected by the display flashing a specific number of times.

5. Which of the following sensors most accurately simulates haptic feedback? Please circle one answer:
- **a)** rotary encoder
- **b)** touch sensor
- **c)** light sensor
- **d)** color sensor

6. In what kind of jobs might haptic feedback be useful?
Why would it be needed and how would it be used?

7. Does haptic feedback give users a greater ability to make precise movements and interactions with their devices? Please circle your answer: **yes** **no**