**Control Using Sound Post-Quiz Answer Key**

1. **Sketch clearly a “stimulus-sensor-coordinator-effector-response” framework using the sound sensor on the LEGO taskbot and compare it with a stimulus-to-response framework using the human ear.**

**LEGO taskbot: sound of clap > LEGO sound sensor > signal to LEGO brick via wire > brick decides to move the motor > signal sent to LEGO motor > motor moves robot**

**Human ear: sound waves from thunder > human ear > human brain > leg muscles >run for shelter**

1. **Give examples of sensors in engineering systems that are similar to the human sound sensor.**

***Examples*: Microphones in phones, computers and karaoke machines; voice-activated door openers**