Mission 9 Review Kahoot Questions

Select the computer science definition for: PRIMING	a. The property of the peripheral used to turn on/off the relay. b. The ability of a material to conduct electricity. c. The process of removing air from pump lines. d. Terminals on the relay used for connecting peripherals.
Select the computer science definition for: CONDUCTIVITY	a. The property of the peripheral used to turn on/off the relay. b. The ability of a material to conduct electricity. c. The process of removing air from pump lines. d. Terminals on the relay used for connecting peripherals.
Which statement about relays is FALSE?	a. A relay keeps a low power circuit from switching to a high power. b. A relay allows a single controller to switch multiple loads at the same time. c. A relay allows a DC logic circuit to switch AC power. d. A relay can be used to provide external power to a device.
What is the biggest benefit of using a relay?	a. More available power b. An extra switch c. An extra port for peripherals d. Circuit isolation
What type of peripheral is a relay?	a. Digital input b. Digital output c. Analog input d. Analog output
What relay screw terminal is the water pump connected to?	a. NC terminal b. Center terminal c. NO terminal d. Any terminal will work
What power source is used for the water pump?	a. 2-battery pack b. CodeX c. Relay peripheral d. Conductivity
What type of peripheral is a soil moisture sensor?	a. Digital input b. Digital output c. Analog input d. Analog output
What information does the soil moisture sensor read?	a. Soil temperature b. Soil pH level c. Soil density d. Soil conductivity
What values are returned by the soil moisture sensor reading?	a. Integers from 0 to 65535 b. Integers from 0 to 100 c. True or False d. PUMP_ON or PUMP_OFF

More moisture in the soil = _____ resistance	a. Consistent b. Inconsistent c. More d. Less
More conductivity = _____ moisture sensor readings	a. Higher b. Lower c. Consistent d. Inconsistent

Fill in the missing code:
`if _____`
`  prime_pump()`
	a. soil_moisture.value < LOW_MOISTURE_THRESHOLD:
	b. soil_moisture.value > LOW_MOISTURE_THRESHOLD:
	c. soil_moisture.value == LOW_MOISTURE_THRESHOLD:
	d. buttons.was_pressed(BTN_A):

Fill in the missing code for “A”:
`if soil_moisture.value < ___A___`
`  relay.value = PUMP_ON`
`  sleep( _B_ )`
`  relay.value = PUMP_OFF`
	a. TIME_ON
	b. LOW_MOISTURE_THRESHOLD
	c. PUMP_ON
	d. PUMP_OFF

Fill in the missing code for “B”:
`if soil_moisture.value < ___A___`
`  relay.value = PUMP_ON`
`  sleep( _B_ )`
`  relay.value = PUMP_OFF`
	a. PUMP_ON
	b. LOW_MOISTURE_THRESHOLD
	c. TIME_ON
	d. TIME_OFF