Name: _____

///

Blinking LED Lights

Question 1

What is the aim of this activity?

_____

_____

Question 2

What are the equipments used in this activity?

_____

_____

_____

Question 3

What does LED stand for (hint: use google)?

_____

Question 4:

What happens when you change the value of `wait 1 secs` blocks from 1 to 5?

a) LED light turns on for *5* seconds and off for *5* seconds

b) LED light turns on for *1* seconds and off for *5* secondsblinking led

c) LED light turns on for *5* seconds and off for *1* seconds

d) Nothing happens

Question 5:

What happens when you change the value of `digital 4 on` and
`digital 4 off`
from 4 to 7?

_____

_____

_____

Question 6

What value do you have to change to:

A) Make the LED light **lights up** for longer period of time:

_____

B) Make the LED light **turn off** for longer period of time:

_____

Piezo Buzzer

Question 7

What happens when you change the value of `freq` from 1 to 0.3?

a) Faster beeping

b) Slower beeping

c) Nothing happens

Question 8

Look at the last picture in the instruction sheet. Create the code and test it out.

Explain what happened:

_____

_____

_____

Question 9

What if you change `change freq by -0.1` from -0.1 to a positive number?

_____

_____

Servo Motor

Question 10

What happens when you change all values of

`motor 12 direction clockwise` from

clockwise to anticlockwise?

_____

_____

_____

Question 11

Add more motor direction and explain what happens.

_____

_____

Question 12

Will increasing value of `wait 1 secs` from 1 to 5:

a) Make the Arduino go forward and backward *faster*

b) Make the Arduino go forward and backward *slower*

c) Nothing happens