3. Ideate

IDEATION IN THE DESIGN THINKING PROCESS

Activity 7

Name:

Grade:

Fatima wants to build a smart greenhouse system. She knows she will need a microcontroller, servomotors and the LED grid.





A smart greenhouse will also use **sensors** to understand what is around it. Look at the sensors below. Which sensors does the greenhouse need?

Sensors
Ambient light sensor
Distance sensor
Line sensor
Motion sensor
Temperature and humidity sensor

Write your answers in the table.

Sense	Compute	Act
	Microcontroller	Servomotor
		LED grid

Extra components

The smart greenhouse system will also need these two components.

Battery pack		Gives power to the components
Body or fixings		Holds all the other components

LIVEWORKSHEETS