

THE WORLD OF IOT

## 1. Assign the terms from the left column to the corresponding definitions on the right.

Cat-M1

Machine to Machine, refers to devices that are connected to each other

5G

IoT-friendly versions of LTE

Adafruit IO

System that makes data useful. It is ease of use, and allows simple data connections with little programming required.

M<sub>2</sub>M

Abbreviation used to refer to the fifth generation of mobile telephony technologies

## 2. List three basic parameters that characterize IPv6 (Internet protocol version 6)

- 1.
- 2.
- 3.

## 3. Correct the text so that the following statement is true

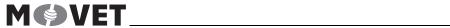
IPv6 addresses are represented as  $\begin{pmatrix} \text{four} \\ \text{eight} \end{pmatrix}$  groups of  $\begin{pmatrix} \text{four} \\ \text{two} \end{pmatrix}$  hexadecimal digits.

IoT devices in (indoor outdoor) installations commonly use Wi-Fi and Bluetooth.

Wi-Fi power consumption is much (higher lower) than Bluetooth.

The 5G technology will work in the bands of  $\binom{1.6 \text{ and } 35 \text{ GHz}}{3.6 \text{ and } 26 \text{ GHz}}$  in 2020 at the European Community.





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A	Assign the terms from the left column to the corresponding definitions on the right	
	Energy-efficiency	A type of communication over power lines
	Narrowband PLC	Use of wearables, fall detection devices or life quality for people
	Smart home	can learn about owner habits ar suggest a tv film, a meal or drink
	Smart health	Remote device feature



1.

2.

3.

4.

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## 6. Correct the text so that the following statements are true.

Commercial IoT devices use (either ZigBee or Bluetooth an IP network) to communicate with others.

A smart grid (combines sources of fossil energy with laptops and smartphones in integrates the information and communication technologies to) the electricity network to have a smart energy management.

Smart farming provides the farmer with opportunities for (combines sources of fossil better decision-making) and (more efficient management better decision-making).

