1. Match the four different layers of IPv6 shown on the left column to the corresponding descriptions on the right column.

|  |  |  |
| --- | --- | --- |
| Object Sensing Layer |  | Transparent transmission of data through communication networks. |
|  |  |  |
| Information Integration Layer |  | Provides content services to users. |
|  |  |  |
| Application Service Layer |  | Provides information into usable knowledge for services and final users. |
|  |  |  |
| Data Exchange Layer |  | Sensing the physical objects and obtaining data. |

1. Modify the following texts so that the statement is true.

Cloud computing is one of the enabling platforms .

IPsec (IP security) stands for .

1. Here is a series of application fields of IoT. Match each item on the left column to the corresponding item on the right column.

|  |  |  |
| --- | --- | --- |
| Automotive |  | Integration of security services |
|  |  |  |
| Education |  | Prevent overproduction |
|  |  |  |
| Manufacturing |  | GPS tracking |
|  |  |  |
| Smart cities |  | Interchange of reports and results in real time |

1. List three basic applications of IoT for Smart Cities.

1. Optimization of public and private transportation

2. Parking Sensors

3. Smart management of traffic in real time

1. Modify the following text so that the statement is true.

IPv6 addresses are represented as groups of four hexadecimal digits.

1. List four basic applications of IoT in Energy services.

1. Smart metering

2. Energy harvesting and recycling

3. Smart grids

4. Analysis and prediction of energy consumption

1. Fill the table by ordering the following elements from top to down in function of their relevance in IoT: Phones, Smart TV, media players, Notebook, eReaders.

|  |
| --- |
| Phones |
| Notebooks |
| Smart TV |
| media players |
| eReaders |