

**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.

**2. Modify the following texts so that the statement is true.**

Cloud computing is one of the enabling platforms (to establish a common set of standards to support IoT).

IPsec (IP security) stands for (solve security problems WiFi access).

**3. 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



**4. List three basic applications of IoT for Smart Cities.**

1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
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**5. Modify the following text so that the statement is true.**

IPv6 addresses are represented as  $\binom{\text{four}}{\text{eight}}$  groups of four hexadecimal digits.

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**6. List four basic applications of IoT in Energy services.**

1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
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**7. 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.**


