1. List four basic elements of energy chain

1. generation

2. transmission

3. distribution

4. consumption

1. List names of three basic voltages used in power grid

1. Extra high voltage

2. High voltage

3. Low Voltage

1. Name the two levels of power delivery in the power grid

1. Transmission

2. Distribution

1. Correct the text so that the following statements are true

Negative regulation energy means, that the energy is by the regulation energy provider.

Positive regulation energy means, that the energy is by the regulation energy provider.

To make the grid stabile, the system imbalance shall be .

forecasts and dispatches the schedules for the grid operator and overtakes the responsibility for their imbalance and their settlement.

1. Choose correct labels from list and write them into the image to describe Interfaces of smart meter



Home Automation

AMI HeadEnd

NNAP

LNAP

External display

Smart meter

Choices: Smart meter, Home Automation, AMI HeadEnd System, NNAP, LNAP, External Display,

1. Assign the group of requirements from the left column to the corresponding descriptions on the right.

|  |  |  |
| --- | --- | --- |
| Smart metering requirements for the metering operator |  | Provide data readings directly to consumer and/or any 3rd party |
|  |  |  |
| Smart metering requirements for the customer |  | Fraud prevention and detection |
|  |  |  |
| Smart metering requirements for security and data protection |  | Provide 2-way communication for maintenance and control |
|  |  |  |
| Smart metering requirements for commercial aspects of energy supply |  | Remote ON/OFF control of the supply AND/OR flow or power limitation |