**Encapsulation Process**

**Application layer: header: user input accepted in GUI**

|  |  |
| --- | --- |
| A | Data |

**Presentation layer: header: encryption algorithm, translation**

|  |  |  |
| --- | --- | --- |
| P | A | Data |

**Session layer: header: Communication duration**

|  |  |  |  |
| --- | --- | --- | --- |
| S | P | A | Data |

**Transport layer: header: sender port, receiver port, bandwidth, sequence number**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| T | S | P | A | Data |

**Network layer: header: sender ip, receiver ip, routing protocol**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| N | T | S | P | A | Data |

**Data Link layer: header: sender mac, receiver mac, CRC algorithm, data flow model**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DL | N | T | S | P | A | Data | Tailer |

**Physical layer: header: Topology**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P | DL | N | T | S | P | A | Data | Tailer |