**Outcome 2 Research Task 4 - Name:**

1. What layers does Ethernet operate on?

|  |
| --- |
|  |

1. What is the Ethernet LLC sub-layer responsible for?

|  |
| --- |
|  |

1. In what is the Ethernet LLC sub-layer implemented?

|  |
| --- |
|  |

1. What is the MAC sub-layer responsible for?

|  |
| --- |
|  |

1. In what is the Ethernet MAC sub-layer implemented?

|  |
| --- |
|  |

1. What are the primary responsibilities of the MAC sub-layer?

|  |
| --- |
|  |

1. What is the MAC address of your PC’s network card

|  |
| --- |
|  |

1. What manufacture does your MAC address identify for your PC?

|  |
| --- |
|  |

1. Carrier sense multiple access (CSMA) is used in networking. What two methods are used along with it to detect and avoid data collision?

|  |
| --- |
|  |