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| jbk | | | |
| Student Name: |  | Date: | 2023-08-26 |
| Subject: | bhj | Grade: | bjk |

1. Bluetooth is a wireless technology that uses \_\_\_\_\_\_\_\_\_\_ to transmit data.  
 \* infrared waves  
 \* radio waves  
 \* sound waves  
 \* microwaves  
 \* \*\*radio waves\*\*  
2. Bluetooth devices communicate using a \_\_\_\_\_\_\_\_\_\_.  
 \* master-slave relationship  
 \* peer-to-peer relationship  
 \* client-server relationship  
 \* star network  
 \* \*\*master-slave relationship\*\*  
3. Bluetooth operates in the \_\_\_\_\_\_\_\_\_\_ frequency band.  
 \* 2.4 GHz  
 \* 5 GHz  
 \* 900 MHz  
 \* 1.9 GHz  
 \* \*\*2.4 GHz\*\*  
4. The maximum range of Bluetooth is about \_\_\_\_\_\_\_\_\_\_.  
 \* 10 meters  
 \* 100 meters  
 \* 1000 meters  
 \* 10000 meters  
 \* \*\*10 meters\*\*  
5. Bluetooth is used for a variety of applications, including \_\_\_\_\_\_\_\_\_\_.  
 \* file transfer  
 \* printing  
 \* gaming  
 \* streaming audio  
 \* \*\*all of the above\*\*  
6. Bluetooth Low Energy (BLE) is a newer version of Bluetooth that is designed for \_\_\_\_\_\_\_\_\_\_.  
 \* longer battery life  
 \* faster data transfer speeds  
 \* wider range  
 \* lower cost  
 \* \*\*longer battery life\*\*  
7. The Bluetooth protocol stack has \_\_\_\_\_\_\_\_\_\_ layers.  
 \* 3  
 \* 4  
 \* 5  
 \* 6  
 \* \*\*7\*\*  
8. The LMP (Link Manager Protocol) layer in the Bluetooth protocol stack is responsible for \_\_\_\_\_\_\_\_\_\_.  
 \* establishing and maintaining connections between devices  
 \* managing the power consumption of Bluetooth devices  
 \* negotiating the data rates between devices  
 \* encrypting data transmissions  
 \* \*\*all of the above\*\*  
9. The GATT (Generic Attribute Profile) layer in the Bluetooth protocol stack is responsible for \_\_\_\_\_\_\_\_\_\_.  
 \* defining the services and characteristics that are supported by Bluetooth devices  
 \* exchanging data between devices  
 \* managing the power consumption of Bluetooth devices  
 \* encrypting data transmissions  
 \* \*\*defining the services and characteristics that are supported by Bluetooth devices\*\*  
10. The Bluetooth SIG (Special Interest Group) is a \_\_\_\_\_\_\_\_\_\_.  
 \* consortium of companies that develops and maintains the Bluetooth standard  
 \* group of engineers who design and implement Bluetooth devices  
 \* organization that regulates the use of Bluetooth technology  
 \* company that manufactures Bluetooth devices  
 \* \*\*consortium of companies that develops and maintains the Bluetooth standard\*\*

***Mr/Ms. jb***