Lesson 1: Components

1. What is the primary role of the motherboard in a computer system?

Tick (✓) **one** box

|  |  |  |
| --- | --- | --- |
| 1. To connect all hardware components and enable them to communicate |  |  |
| 1. To process graphics and visual data |  |  |
| 1. To manage audio output |  |  |
| 1. To provide power to the CPU and GPU |  |  |

**[1]**

1. What is the main function of the Graphics Processing Unit (GPU) in a computer system?

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|  |  |  |
| --- | --- | --- |
| 1. To manage network connections |  |  |
| 1. To process audio signals |  |  |
| 1. To handle graphics rendering and parallel processing tasks |  |  |
| 1. To power all the components in the system |  |  |

**[1]**

1. Explain the function of the Power Supply Unit (PSU) in a computer system.

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**[2]**

1. Describe the function of **three** expansion cards in a computer system

1………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….……………………………………………………………………………………………………………………………………………..

2………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….……………………………………………………………………………………………………………………………………………..

3………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….……………………………………………………………………………………………………………………………………………..

**[9]**

1. Jada’s computer suddenly shuts down after she starts playing a new video game. When she checks the system, she notices the computer feels unusually hot.

Explain which component might be responsible for cooling and how they help prevent this issue.

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**[2]**

1. Identify **three** types of ports commonly used in a computer system.

1……………………………………………………………………………………………………………………………………………2…………………………………………………………………………………………………………………………………………...

3……………………………………………………………………………………………………………………………………………

**[3]**