# Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# The CPU and the fetch-execute cycle

1. **What is the purpose of the CPU?**

1. To create data
2. To store data
3. To process data
4. **What does the control unit do?**

1. It controls and monitors communications between the computer and any hardware attached
2. It holds the data and programs that the CPU currently needs
3. It carries out calculations and logic operations
4. **What is the immediate access store for?**

1. It holds the data and programs that the CPU currently needs
2. It controls and monitors communications between the computer and any hardware attached
3. It carries out calculations and logic operations
4. **What does the arithmetic and logic unit do?**

1. It controls and monitors communications between the computer and any hardware attached
2. It holds the data and programs that the CPU currently needs
3. It carries out calculations and logic operations
4. **What can often be referred to as the registers in a CPU?**

1. The control unit
2. The immediate access store
3. The arithmetic and logic unit
4. **How many instructions can a CPU core process at a time?**

1. One
2. Many
3. It does not process instructions
4. **When the CPU fetches the instruction from the main memory, where does it store it?**

1. The control unit
2. The arithmetic and logic unit
3. The immediate access store
4. **What is it called when the CPU carries out the action of an instruction?**

1. Fetching the instruction
2. Decoding the instruction
3. Executing the instruction
4. **What is clock speed measured in?**

1. Cycles per minute
2. Cycles per second
3. Cycles per hour
4. **How many cycles per second would a 3 GHz processor do?**

1. 3 million
2. 3000
3. 3 billion