# Processor Structure

1. What is the difference between an input and output device?

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| Input devices enter data into the computer, while the output device generates data from the computer |

2. Why is backing storage needed?

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| Needed to store permanent files |

3. What is the difference between main memory and backing storage?

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| Backing storage is slower to access than main memory, but has more storage capacity than main memory. |

4. What does CPU stand for?

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| Central processing unit |

5. A computer is advertised as having a 32-bit word size. What does this tell you about the computer?

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| It tells us what the largest binary number that the computer can manipulate in one operation |

6. How does a computer move data between the processor and memory?

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| The data bus moves data from the memory to the processor and vice versa |

# Extension

Investigate ‘Moores Law’. What is it, when was it first mentioned and is it still true? Produce

a one sheet poster summarising it.