Byte Addressing vs. Word Addressing

Byte Addressing
(1 word = 4 bytes)

1 byte

```
0
1     1 word
2
3
4
5     next word
6
7
⋮
```
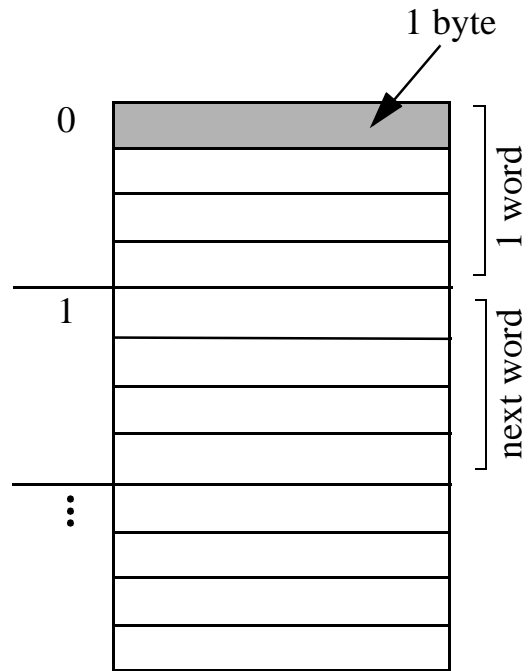
Address

Word Addressing
(1 word = 4 bytes)

1 byte

```
0     1 word
1     next word
⋮
```
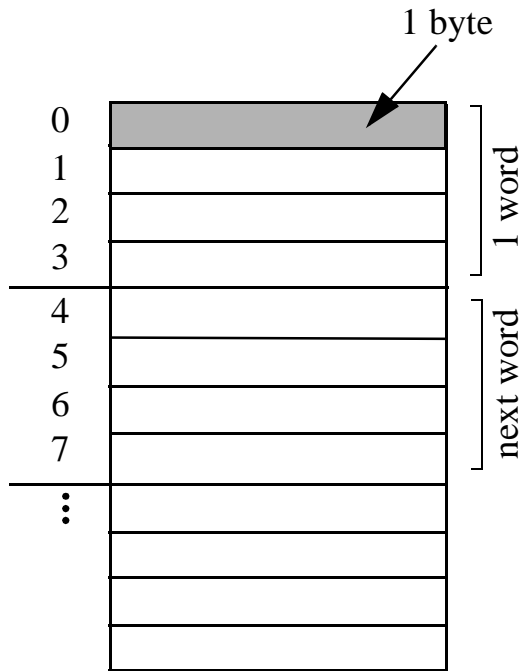
Address

- In the above byte addressing scheme: the first word starts at address 0, and the second word starts at address 4.

- In the above word addressing scheme all bytes of the first word are located in address 0, and all bytes of the second word are located in address 1.