**1)Prokaryotic cells use\_\_\_\_\_\_\_\_ for locomotion.**

|  |
| --- |
| a)pili |
| b)mitochondria |
| c)flagella |
| d)endospores |
| e)capsules |

**2)Prokaryotic cells transfer genetic information to other prokaryotic cells by the use of:**

|  |
| --- |
| a)pili |
| b)mitochondria |
| c)flagella |
| d)endospores |
| e)capsules |

**3)Helicobacter are members of:**

|  |
| --- |
| a)Betaproteobacteria |
| b)Gammaproteobacteria |
| c)Chlamydiae |
| d)Alphaproteobacteria |
| e)Epsilonproteobacteria |

**4)The concept that living organisms arise from nonliving material is called:**

|  |
| --- |
| a)biogenesis |
| b)cell theory |
| c)spontaneous generation |
| d)relativity |
| e)sporulation |

**5)Organisms that grow well at 55°C and have optimum growth temperatures of 70°C or higher are called:**

|  |
| --- |
| a)psychrotrophs |
| b)psychrophiles |
| c)mesophiles |
| d)thermophiles |
| e)microaerophiles |

**6)A bacterium with a single polar flagellum is called:**

|  |
| --- |
| a)monotrichous |
| b)lophotrichous |
| c)peritrichous |
| d)amphitrichous |
| e)spiral |

**7)Class V viral replication is typical of the:**

|  |
| --- |
| a)Adenoviridae |
| b)Herpesviridae |
| c)Picornaviridae |
| d)Paramyxoviridae |
| e)Retroviridae |



**Figure 1**

**8)The cell component labeled 1 on Figure 1 is the:**

|  |
| --- |
| a)cell wall |
| b)cell membrane |
| c)outer membrane |
| d)chromatin(DNA) |
| e)ribosome |
| f)capsule |

**9)The cell component labeled 2 on Figure 1 is the:**

|  |
| --- |
| a)cell wall |
| b)cell membrane |
| c)outer membrane |
| d)chromatin(DNA) |
| e)ribosome |
| f)capsule |

**10)The cell component labeled 3 on Figure 1 is the:**

|  |
| --- |
| a)cell wall |
| b)cell membrane |
| c)outer membrane |
| d)chromatin(DNA) |
| e)ribosome |
| f)capsule |

**11)The cell component labeled 4 on Figure 1 is the:**

|  |
| --- |
| a)cell wall |
| b)cell membrane |
| c)outer membrane |
| d)chromatin(DNA) |
| e)ribosome |
| f)capsule |

**12)The cell component labeled 5 on Figure 1 is the:**

|  |
| --- |
| a)cell wall |
| b)cell membrane |
| c)outer membrane |
| d)chromatin(DNA) |
| e)ribosome |
| f)cytoplasm |

**13)The cell component labeled 6 on Figure 1 is the:**

|  |
| --- |
| a)cell wall |
| b)cell membrane |
| c)outer membrane |
| d)chromatin(DNA) |
| e)ribosome |
| f)cytoplasm |