

**Figure 1**

**14)The cell component labeled 7 on Figure 1 is the:**

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



**Figure 2**

**15)The cell component labeled 8 on Figure 2 is the:**

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

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

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

**17)The cell component labeled 10 on Figure 2 is the:**

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

**18)The cell component labeled 11 on Figure 2 is the:**

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

**19)Mesosomes are not found in a prokaryotic cell.**

|  |
| --- |
| True |
| False |

**20)The Woese three Domain classifications consist of the bacteria, archaea, and viruses.**

|  |
| --- |
| True |
| False |

**21)Sporulation is initiated by the lack of nutrients in the media.**

|  |
| --- |
| True |
| False |

**22)The copying of RNA from a DNA template is called translation.**

|  |
| --- |
| True |
| False |

**23)Mosaic diseases are so-called because they were first described by Moses in the old Testament.**

|  |
| --- |
| True |
| False |

**24)Reverse Transcriptase is not found in the capsid of the Arenaviridae.**

|  |
| --- |
| True |
| False |

**25)The Marburg agent is a member of the Filoviridae.**

|  |
| --- |
| True |
| False |

**26)The induction of genetic transcription appears to be due to the combination of a repressor
protein on the operator gene of the operon.**

|  |
| --- |
| True |
| False |

**27)In induction of a prokaryotic cell, the operon is in the "off" position because a
repressor gene controls the production of a repressor protein which prevents
transcription of the operon.**

|  |
| --- |
| True |
| False |

**28)The arabinose operon, which is controlled by positive regulation, requires the presence
of arabinose to transcribe and translate its structural genes.**

|  |
| --- |
| True |
| False |

**29)*E. coli* will only use glucose when presented with a mixture of glucose
and lactose.**

|  |
| --- |
| True |
| False |