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

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biology Test – Module #4

Matching: Match each term with the correct definition.

|  |  |
| --- | --- |
| 1. \_\_\_ mycelium | 1. A hypha that is not imbedded in the material upon which the fungus grows |
| 1. \_\_\_ hypha | 1. A chemical secreted by a living organism that kills or reduces the reproduction rate of other organisms |
| 1. \_\_\_ rhizoid hypha | 1. A filament of fungal cells |
| 1. \_\_\_ aerial hypha | 1. An aerial hypha that asexually reproduces to make more filaments |
| 1. \_\_\_ sporophore | 1. A thin covering of tissue |
| 1. \_\_\_ stolon | 1. The part of the fungus responsible for extracellular digestion and absorption of the digested food |
| 1. \_\_\_ chitin | 1. A hypha of a parasitic fungus that enters the host’s cells absorbing nutrition directly from the cytoplasm |
| 1. \_\_\_ membrane | 1. A chemical that provides both toughness and flexibility |
| 1. \_\_\_ haustorium | 1. A hypha that is imbedded in the material on which the fungus grows |
| 1. \_\_\_ antibiotic | 1. Specialized aerial hypha that produces spores |

True or False: Determine whether each statement is true or false.

1. \_\_\_ Organisms of Kingdom Fungi digest their food outside of their bodies.
2. \_\_\_ You are able to remove a patch of mushrooms from your yard by pulling all of the stalks and caps.
3. \_\_\_ Spores of a fungus that has offspring that are identical in every way to the parent are formed sexually.
4. \_\_\_ You will get drunk when you eat bread from the alcohol produced in the fermentation process.
5. \_\_\_ Chitin is also found in crocodiles.

Multiple choice: Determine which option is the best answer to each question.

1. \_\_\_\_ Aerial hypha perform all of these functions except ….
   1. Absorb oxygen
   2. Produce carbon dioxide
   3. Asexually reproduce
   4. Produce spores
2. \_\_\_\_ Which phylum forms sexual spores on clublike basidia?
   1. Ascomycota
   2. Zygomycota
   3. Basidiomycota
   4. Myxomycota
3. \_\_\_ Which phylum has flagella?
   1. Basidomycota
   2. Ascomycota
   3. Zygomycota
   4. Chytridiomycota

Short answer: Answer each question with a couple of sentences.

1. Some biologists say that a mushroom is much like an iceberg, because only about 10% of an iceberg is visible from the surface of the ocean. What do they mean?

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1. What can happen when an antibiotic is used too much?

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