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?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_