**CHAPTER 31 – FUNGI**

1. How do fungi acquire nutrients? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Because of this mode of nutrition, fungi have formed what structure that has provided for both extensive surface area and rapid growth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. How do the cell walls of fungi differ from the cell walls of plants? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What is the relationship between pheromones and the sexual reproduction of fungi? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What is the origin of fungi? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Describe some of the practical uses of fungi. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Using Figure 31.11 on page 642 and the information in the text, outline the key characteristics of each branch of the Kingdom Fungi identified on the diagram. Include several examples of organisms in each division.

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| **DIVISION** | **CHARACTERISTICS** | **EXAMPLES** |
| **Chytrids** |  |  |
| **Zygomycetes** |  |  |
| **Ascomycetes** |  |  |
| **Basidiomycetes** |  |  |