**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Period\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**STUDY GUIDE FOR KINGDOM UNIT CHAPTER 9 SECTION 2**

**6 Kingdoms of Living Things Chapter 9 Section 2**

**Standard:** 8.1L.1 Explain how genetics and anatomical characteristics are used to classify organisms & infer evolutionary relationships.

**Learning Target:** **I CAN** describe the characteristics of the six kingdoms.

If you **did not receive a PASSING GRADE** on this assessment, you are **required** to:

* **complete this STUDY GUIDE,**

My child had **completed** this study guide, has **studied** this guide, and is **ready** to retake this test.

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

* **study the guide after you have completed it, and**
* **have your parent sign this retake form.**

List the **four kingdoms** of living things that have **EUKARYOTIC** cells:

1. ***PROTISTA*** 2. ***PLANTAE***

3. ***FUNGI*** 4. ***ANIMALIA***

List the **two kingdoms** of living things that have **PROKARYOTIC** cells:

5. ***ARCHAEBACTERIA*** 6. ***EUBACTERIA***

7. Organisms that have **cells with a nucleus** are ***EUKARYOTIC***

8. Organisms that have **cells without** a nucleus are ***PROKARYOTIC***

9. **Animalia** kingdom characteristics to know:

 how many cells? ***ALL MULTICELLUAR***

 obtain food? ***ALL CONSUMERS***

 reproduce? ***ALL SEXUALLY***

10. **Planatae** kingdom characteristics to know:

 how many cells? ***ALL MULTICELLUAR***

 obtain food? ***ALL PRODUCERS***

 reproduce? ***BOTH ASEXUALLY AND SEXUALLY***

11. **Fungi** kingdom characteristics to know:

 how many cells? ***MOST MULTICELLUAR, some single celled***

 name an example of a one celled fungi---***YEAST***

 name two examples of multicellular fungi---***MUSHROOMS AND MOLD***

 obtain food? ***ALL DECOMPOSERS***

12. **Protista** kingdom characteristics to know:

 how many cells? ***BOTH MULTICELLULAR AND SINGLE CELLED***

 obtain food? ***BOTH PRODUCERS AND CONSUMERS***

 reproduce? ***BOTH ASEXUALLY AND SEXUALLY***

 name three examples of protists that we observed in the iPad labs—

 ***AMOEBA, PARAMECIUM, AND EUGLENA***

13. **Eubacteria** kingdom characteristics to know:

 how many cells? ***ALL SINGLE CELLED***

 reproduce? ***ALL ASEXUALLY***

 Do they have a nucleus? ***NO—called prokaryotic***

 Name two examples of eubacteria: ***E. coli, salmonella, nitrogen-fixing bacteria***

14. **Archaebacteria** kingdom characteristics to know:

 how many cells? ***ALL SINGLE CELLED***

 reproduce? ***ALL ASEXUALLY***

 Do they have a nucleus? ***NO—called prokaryotic***

 Name two examples of archaebacterial: ***THERMOPHILES, HALOPHILES,***

 ***METHANOGENS***