

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

## Answer Key: Who's Related? 5th Grade Living Kingdoms Quiz

Junior taxonomists apply recall skills to sort penguins, bread mold, and invisible microbes into the correct scientific neighborhoods.

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**1. Which kingdom includes living things like a Emperor Penguin or a Tree Frog that must find food to eat?**

**Answer:** B) Animalia

The Kingdom Animalia consists of multicellular organisms that cannot make their own food and must consume other living things for energy.

**2. True or False: A sunflower belongs to the Kingdom Plantae because it makes its own food using sunlight.**

**Answer:** A) True

Plants use photosynthesis to create energy from sunlight, which is a defining characteristic of the Kingdom Plantae.

**3. When a scientist looks at a Yeast cell under a microscope and sees it absorbing nutrients from sugar, they know it belongs to Kingdom \_\_\_\_\_.**

**Answer:** C) Fungi

Yeast is a single-celled organism in the Kingdom Fungi because it absorbs nutrients from its surroundings rather than eating or photosynthesizing.

**4. In the hierarchy of classification, which of these is the MOST specific level where you would find only one type of organism, like a Red Fox?**

**Answer:** D) Species

Species is the narrowest and most specific level of classification, identifying one unique group of organisms.

**5. True or False: Every living thing on Earth is organized into the exact same Kingdom.**

**Answer:** B) False

Life is highly diverse and is divided into several different kingdoms based on traits like cell type and how they get energy.

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**6. A tiny, single-celled organism found living in a very salty lake or a hot spring is most likely part of Kingdom \_\_\_\_\_.**

**Answer:** A) Archaea

Archaea are famous for being 'extremophiles,' meaning they can live in environments that would be too harsh for most other life forms.

**7. If you are sorting organisms and find a Paramecium (a tiny organism that lives in pond water), which kingdom does it typically belong to?**

**Answer:** B) Protista

Kingdom Protista acts as a group for simple, mostly single-celled organisms that don't fit perfectly into the plant, animal, or fungi categories.

**8. True or False: Taxonomy is the name of the science used to group and name all living things.**

**Answer:** A) True

Taxonomy is the specific branch of science focused on classification and naming systems for biodiversity.

**9. Which of these is the broadest (widest) category used to classify life at the very top of the hierarchy?**

**Answer:** B) Domain

The Domain is the largest and most general group in the classification system, sitting even above the Kingdom level.

**10. Common germs that can cause a sore throat, like Streptococcus, are members of the Kingdom \_\_\_\_\_.**

**Answer:** B) Bacteria

Kingdom Bacteria contains single-celled organisms that are found everywhere, including those that can cause illnesses.