Classification

Worksheet (Grade Level)   Name _____

Question 1

What is classification, and why is it important for organizing the diversity of life on Earth?

Question 2

How does classification help scientists understand the relationships between different organisms?

Question 3

What are the key levels of classification in the biological hierarchy (e.g., kingdom, phylum, class, etc.)?

Question 4

Why is it important to use observable traits when classifying organisms?

Question 5

What is a dichotomous key, and how does it work?

Question 6

What are the advantages of using a dichotomous key to identify organisms?

Notes:

Classification

Question 1

Why do scientists use classification to group similar organisms together?

Question 2

How does classification help scientists understand how different organisms are related to each other?

Question 3

What does it mean if two animals are in the same family, but different genera?

Question 4

Why is using observable traits important when classifying organisms?

Question 5

If scientists find a new organism, how might classification help them understand where it belongs in the biological hierarchy?

Question 6

How does classification help scientists understand the evolution of different species?

Notes:

Classification

Question 1

What is classification, and why do scientists use it?

Question 2

Why is it important to organize the different types of life on Earth?

Question 3

Can you name the first three levels of the biological classification system? (e.g., kingdom, phylum, class)

Question 4

What is a trait, and how do we use traits to classify living things?

Question 5

Give an example of an observable trait that might be used to classify animals.

Question 6

What is the difference between mammals and reptiles?

Notes: